

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-40053
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Tricentrol Resources Inc. c/o Permitco		7. UNIT AGREEMENT NAME Little Nancy Unit
3. ADDRESS OF OPERATOR 1020-15th St., Suite 22-E Denver, CO 80202		8. FARM OR LEASE NAME Nancy Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1940' FSL and 1760' FEL At proposed prod. zone NW SE Sec. 3		9. WELL NO. #3-33
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 28 miles SW of Dove Creek, Colorado		10. FIELD AND POOL, OR WILDCAT Unnamed UNDESG.
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 440'	16. NO. OF ACRES IN LEASE 1921.56	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T38S-R25E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1000'	19. PROPOSED DEPTH 6000'	12. COUNTY OR PARISH 13. STATE San Juan Utah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5447' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS Rotary
		22. APPROX. DATE WORK WILL START* Upon approval

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	1325'	600 sx - circulated
7-7/8"	5-1/2"	15.5#	6000'	250 sx or sufficient to cover zones of interest

Tricentrol Resources Inc. proposes to drill a well to the depth of 6000 feet to test the Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per B.L.M. and State of Utah requirements.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

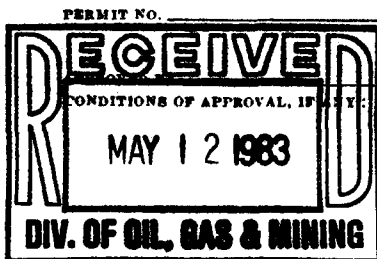
DATE: 5-18-83

BY: *Norman Stortz*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. David Howell  
SIGNED *David Howell* TITLE Petroleum Engineer DATE *5/18/83*

(This space for Federal or State office use)

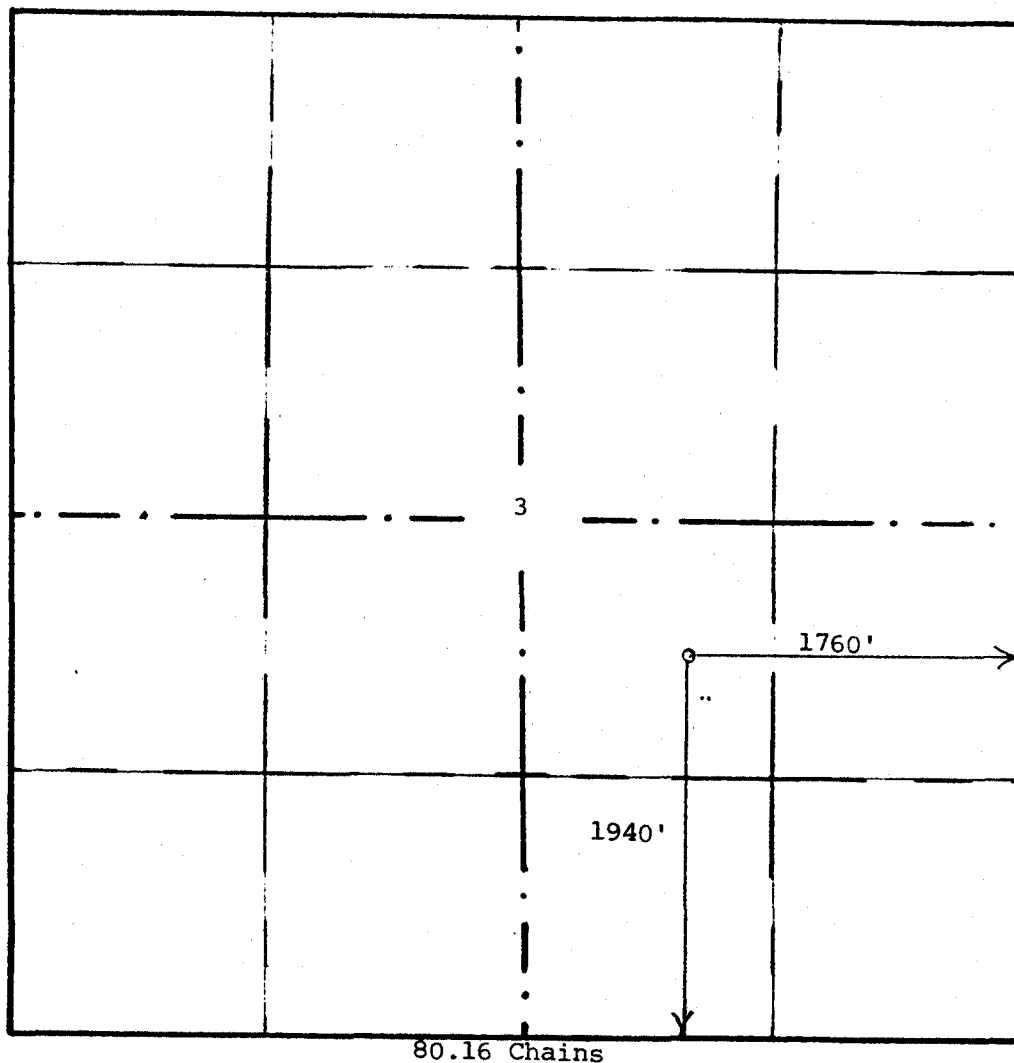




POWERS ELEVATION

LAT #1

Well Location Plat



Operator Tricentrol U.S.A.		Well name Nancy Federal 3-33	
Section 3	Township 38 South	Range 25 East	Meridian SLPM
Footages 1940' FSL & 1760' FEL			County/State San Juan, Utah
Elevation 5447'	Requested by Lisa Green		
The above plat is true and correct to the best of my knowledge and belief.			
27 April 1983 <u>Gerald G. Huddleston</u> Gerald G. Huddleston, L.S. Utah exception			

TEN POINT COMPLIANCE PROGRAM  
OF NTL-6 APPROVAL OF OPERATIONS

Tricentrol Resources Inc.  
Nancy Federal #3-33  
1940' FSL & 1760' FEL  
Section 3, T38S-R25E  
San Juan County, Utah

1. The outcropping geologic formation is the Morrison.
2. The estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Entrada	440'	+ 5019'
Chinle	1275'	+ 4184'
Cutler	2540'	+ 2919'
Hermosa	4490'	+ 969'
Ismay	5465'	- 6'
Desert Creek	5720'	- 261'
T.D.	6000'	- 541'

3. The following depths are estimated for oil and gas bearing zones:

<u>Substances</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Oil	Ismay	5520'
Oil & Gas	Desert Creek	5720'

4. a. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	
Surface	1325'	12-1/4"	8-5/8"	24.0#	K-55	ST&C	New
Production	6000'	7-7/8"	5-1/2"	15.5#	K-55	LT&C	New

- b. The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0 - 1325'	300 sx. Lite cement + 300 sx. Class "B" w/ 2% CaCl <sub>2</sub> Tail Slurry or sufficient to circ.
<u>Production</u>	<u>Type and Amount</u>
0 - 6000'	250 sx. 50/50 poz mix slurry - 1000' fill or sufficient to cover zones of interest.

5. The blowout preventer stack will consist of a Shaffer 10" 5000# BOP. Equipment will be tested prior to drilling out from under surface and operational checks will be made daily thereafter.

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6. Drilling fluid will be as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Viscosity</u>	<u>F/L</u>
0 - 4100'	Clear Water	8.5- 9.0	35	N/C
4100 - 6000'	Gel-Chem	9.5-10.1	35	6-8

7. Auxiliary equipment to be used is as follows:

- a. Kelly cock
- b. Float above the bit.
- c. Monitoring of the system will be done visually.
- d. A sub with a full opening valve will be on the floor when the kelly is not in use.

8. Testing, logging and coring will be as follows:

- a. No cores will be run.
- b. Drill stem tests will be run at all drilling breaks and shows in both the Ismay and Desert Creek formations.
- c. The logging program will consist of a Dual Induction-SFL; Neutron Density; Sonic Log; Dipmeter and Velocity Survey.
- d. The zones of interest will be perforated with two shots per foot through the native porosity. The well will be swabbed back. If the well does not begin to flow, the zones of interest will be acidized with 1500 to 3000 gallons of 28% HCl acid.

9. No abnormal pressures or hydrogen sulfide gas are anticipated during the course of drilling to T.D. The maximum bottom hole pressure to be expected is 3500 psi.

10. Tricentrol Resources Inc. plans to spud the Nancy Federal #3-33 upon approval of this permit and intends to complete the well within approximately one month after the well has reached T.D.

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MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Tricentrol Resources, Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

Gentlemen:

We submit the following application and plats for permission to drill the Nancy Federal #3-33.

1. Existing Roads

- a. The proposed well site and elevation plat is shown on Plat #1.
- b. Directions to the location from Dove Creek, Colorado are as follows: Go southwest on Bug Point Road for 17 miles until it intersects with the Nancy Patterson Road. Go 10.7 miles on the Nancy Patterson Road. Turn East and go 1/4 mile to the location.
- c. For access roads - see Maps #1 and #2.
- d. All existing roads within a 3-mile radius are shown on Map #1.
- e. This is a development well. All roads within a one-mile radius of the well site are shown on Maps #1 and #2.
- f. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- g. Improvement to existing roads will not be necessary and will be limited to a total existing disturbed width. New construction will be limited to a total disturbed width of 20 feet. Surfacing material will not be placed on the access road or location without prior BLM approval.
- h. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- i. The San Juan County Road Department in Monticello, Utah will be contacted prior to use of county roads. (801/587-2249).

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MULTI-POINT REQUIREMENTS  
TO ACCOMPANY A.P.D.

Tricentrol Resources, Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Section 3, T38S - R25E  
San Juan County, Utah

2. Planned Access Roads

- a. New access road will be approximately 20 feet wide and 1/4 mile in length.
- b. The grade will be 12% or less.
- c. No turnouts are planned.
- d. There will be no ditching. Water bars will be constructed as directed by the Bureau of Land Management to control erosion. (To be done at a later date if production is established.)
- e. Any additional drainage will be installed at the discretion of the dirt contractor.
- f. No culverts will be installed. Maximum cut is 26 feet. Maximum fill is 14 feet.
- g. Only native materials will be utilized.
- h. No gates, cattle guards or fence cuts will be necessary.

3. Location of Existing Wells Within a Two-Mile Radius (See Map #3)

- a. Water wells - none
- b. Abandoned wells - six
- c. Temporarily abandoned wells - none
- d. Disposal wells - none
- e. Drilling wells - none
- f. Producing wells - four

Tricentrol's producing wells are as follows:

- (1) Nancy Federal #3-44  
920' FSL and 1050' FEL  
Sec. 3, T38S - R25E
  - (2) Nancy Federal #11-22  
1400' FNL and 1550' FWL  
Sec. 11, T38S - R25E
  - (3) Nancy Federal #1-3  
710' FNL and 1960' FWL  
Sec. 3, T38S-R25E
- g. Shut in wells - none
  - h. Injection wells - none

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Tricentrol Resources, Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Section 3, T38S - R25E  
San Juan County, Utah

3. Location of Existing Wells (cont.)

i. Monitoring observation wells - none

j. Proposed Locations - as follows:

- (1) Nancy Federal #35-32  
1350' FNL and 1850' FEL  
Sec. 35, T37S - R25E
- (2) Nancy State #2-21  
1480' FNL and 1010' FWL  
Sec. 2, T38S - R25E
- (3) Nancy Federal #3-32  
1960' FNL and 1780' FEL  
Sec. 3, T38S - R25E
- (4) Nancy Federal #11-11  
NW NW Sec. 11, T38S - R25E
- (5) Nancy Federal #34-14  
10' FSL and 840' FWL  
Sec. 34, T37S - R25E
- (6) Nancy Federal #10-41  
550' FNL and 330' FEL  
Sec. 10, T38S - R25E
- (7) Nancy Federal #3-22  
2100' FNL and 1860' FWL  
Sec. 3, T38S - R25E
- (8) Nancy Federal #3-11  
610' FNL and 610' FWL  
Sec. 3, T38S - R25E
- (9) Nancy Federal #3-34  
1370' FSL and 2635' FEL  
Sec. 3, T38S - R25E
- (10) Nancy Federal #3-12  
1930' FNL and 610' FWL  
Sec. 3, T38S - R25E
- (11) Nancy Federal #3-41  
1000' FNL and 880' FEL  
Sec. 3, T38S - R25E

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MULTI-POINT REQUIREMENTS  
TO ACCOMPANY A.P.D.

Tricentrol Resources, Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

3. Location of Existing Wells (cont.)

j. Proposed Locations - as follows:

- (12) Nancy State #2-12  
2450' FNL and 110' FWL  
Sec. 2, T38S - R25E

4. Location of Existing and/or Proposed Facilities

- a. There are three sets of production facilities owned and controlled by Tricentrol Resources, Inc. These facilities are located at the producing well sites listed in 3.f. Pipelines have been installed as shown on Map #2.
- b. New facilities contemplated in the event of production are shown on Diagram #1.
  1. Proposed tank battery will be located as shown on Diagram #1.
  2. All flow lines from well site to battery site will be buried below frost line depth.
  3. Dimensions of the facilities will be 210 feet long and 170 feet wide. See Diagram #1.
  4. All above ground production facilities will be painted a neutral color to be approved by the Bureau of Land Management.
  5. An earthen dike utilizing subsoil in the surrounding area will be built around the storage tanks and heater treater to contain oil should a leak occur. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.
  6. The reserve pit will be fenced and allowed to dry. Then all pits will be backfilled. The location not needed for production will be leveled, contoured and reseeded as per BLM requirements.
  7. Only native materials will be utilized.
  8. The access shall be upgraded to the following specifications (if production is established). The road will be 20 feet wide, crowned and ditched. Culverts will be installed as deemed necessary by the Bureau of Land Management.

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MULTI-POINT REQUIREMENTS  
TO ACCOMPANY A.P.D.

Tricentrol Resources, Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

5. Location and Type of Water Supply

- a. The source of water will be the stock ponds at the Perkins Ranch which is located in Sec. 7, T38S - R25E. Directions to the water source are shown on Map #1.
- b. Water will be trucked to location over the roads marked on Map #1.
- c. No water well is to be drilled on this lease.
- d. A temporary use permit will be obtained from the Utah State Engineer (801/647-1303) before using this water.

6. Source of Construction Materials

- a. Only native materials are to be utilized.
- b. No construction materials will be taken off Federal land.
- c. Surface and subsoil materials in the immediate area will be utilized. Any gravel will be purchased from a commercial source.
- d. All major access roads are shown on Maps #1 and #2.
- e. The top 12 inches of soil material will be removed from the location and stockpiled separate from the trees on the North side of the location. Topsoil along the access will be reserved in place.

7. Methods for Handling Waste Disposal

- a. Drill cuttings are to be contained and buried in the reserve pit.
- b. Drilling fluids are to be contained in the reserve pit.
- c. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- d. If a chemical porta-toilet is not furnished with the drilling rig a sewage borehole will be used and its contents covered with a minimum of 4 feet of fill.

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Tricentrol Resources, Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

7. Methods for Handling Waste Disposal (cont.)

- e. If a trash pit is used, it will be constructed near the mud tanks with steep sides and dug at least six feet into solid undisturbed material. It will be totally enclosed with fine mesh wire before the rig moves in.
- f. The reserve pit will be lined with commercial bentonite at the discretion of the dirt contractor. At least half of the capacity will be in cut.
- g. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling operations begin. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
- h. Trash will not be disposed of in the reserve pit. Garbage and non-flammable waste are to be contained in the trash pit. Flammable waste is to be contained in the burn pit. The trash is to be burned periodically and the remains buried when the well is completed. A burning permit will be obtained from the State Fire Warden (801/587-2705) before burning trash.
- i. All trash, garbage, etc. is to be gathered and buried at the end of drilling operations and covered with a minimum of two feet of earth. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. Non-burable debris will be hauled to a local town dump. Reserve and mud pits will be allowed to dry after drilling is completed and then adequately filled and leveled. All garbage and sewage pits will be filled as soon as the rig leaves the location.

8. Ancillary Facilities

- a. There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #2 for rig layout. See Diagram #3 for cross section of drill pad. See Diagram #4 for cuts and fills.

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MULTI-POINT REQUIREMENTS  
TO ACCOMPANY A.P.D.

Tricentrol Resources, Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

9. Well Site Layout (cont.)

- b. The location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities and soil stockpiles will be shown on Diagram #2. The location will be laid out and constructed as discussed during the pre-drill conference.

10. Plans for Restoration of Surface

- a. Immediately upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of 2 feet of compacted soil.
- b. The operator or his contractor will contact the BLM office in Monticello, Utah (801/587-2201), 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit will be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped with the contour to a depth of 12 inches.
- f. Water bars will be built as follows to control erosion.

Grade  
2%  
2-4%  
4-5%  
5+%

Spacing  
Every 200 feet  
Every 100 feet  
Every 75 feet  
Every 500 feet

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. When broadcast seeding, a harrow or similar implement will be dragged over the seeded area to assure seed cover.  
Seed Mixture as follows:

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MULTI-POINT REQUIREMENTS  
TO ACCOMPANY A.P.D.

Tricentrol Resources, Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

10. Plans for Restoration of Surface (cont.)

- g. 2 lbs./acre Indian Ricegrass  
1 lb. /acre Curleygrass  
1 lb. /acre Alkali Sacaton  
2 lbs./acre Fourwing saltbush  
1 lb. /acre Shadscale  
1 lb. /acre Wild sunflower

After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.

- h. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to relaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.
- i. The access shall be upgraded to BLM Class III road specifications, if production is established.

11. Other Information

- a. 1. Topography: The project area is located in Bug Park, a large, open valley along the central reaches of Nancy Patterson Canyon. The terrain is gently undulating. The pad is located along the east slope of a prominent ridge.
- 2. Soils: Consist of sand to cobble-sized colluvium with moderate size boulders prevalent.
- 3. Vegetation: Primarily bunchgrass with saltbush, snake-weed and a few scattered juniper.
- 4. Fauna: Consists of rabbits, small rodents and an occasional deer.
- b. Surface in the area is owned by the Bureau of Land Management and is used for cattle grazing and oil and gas exploration.
- c. The nearest water is Tin Cup Spring located approximately 1-3/4 miles southeast.
- d. The nearest occupied dwelling is approximately 6 miles southwest at the Perkins Ranch.

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A Petroleum Permitting Company

MULTI-POINT REQUIREMENTS  
TO ACCOMPANY A.P.D.

Tricentrol Resources Inc.  
Nancy Federal #3-33  
1940' FSL & 1760' FEL  
Sec. 3, T38S-R25E  
San Juan County, Utah

11. Other Information (cont.)

- e. An archeological study was performed. No significant cultural resources were found and clearance is recommended. See Archeological report attached.
- f. Drilling will begin immediately upon approval of this application.
- g. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they are subject to prosecution for disturbing archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will only be done if damage occurs.
- h. The operator will notify the San Juan Resource Area BLM Office in Monticello, Utah (801/587-2201) 48 hours prior to beginning any work on public land.
- i. The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM stipulations before any work is done.

12. Lessee's or Operator's Representative

PERMIT MATTERS

Permitco  
Lisa Green  
1020 - 15th Street  
Suite 22E  
Denver, CO 80202  
(303/595-4051) Work

DRILLING & COMPLETION MATTERS

Tricentrol Resources Inc.  
David Howell  
5675 S. Tamarac Parkway  
Suite 200  
Englewood, CO 80111  
(303/694-0988) Work  
(303/423-1025) Home

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Tricentrol Resources Inc. and its contractors and subcontractors in conformity with the plan and the terms and condition under which it is approved.

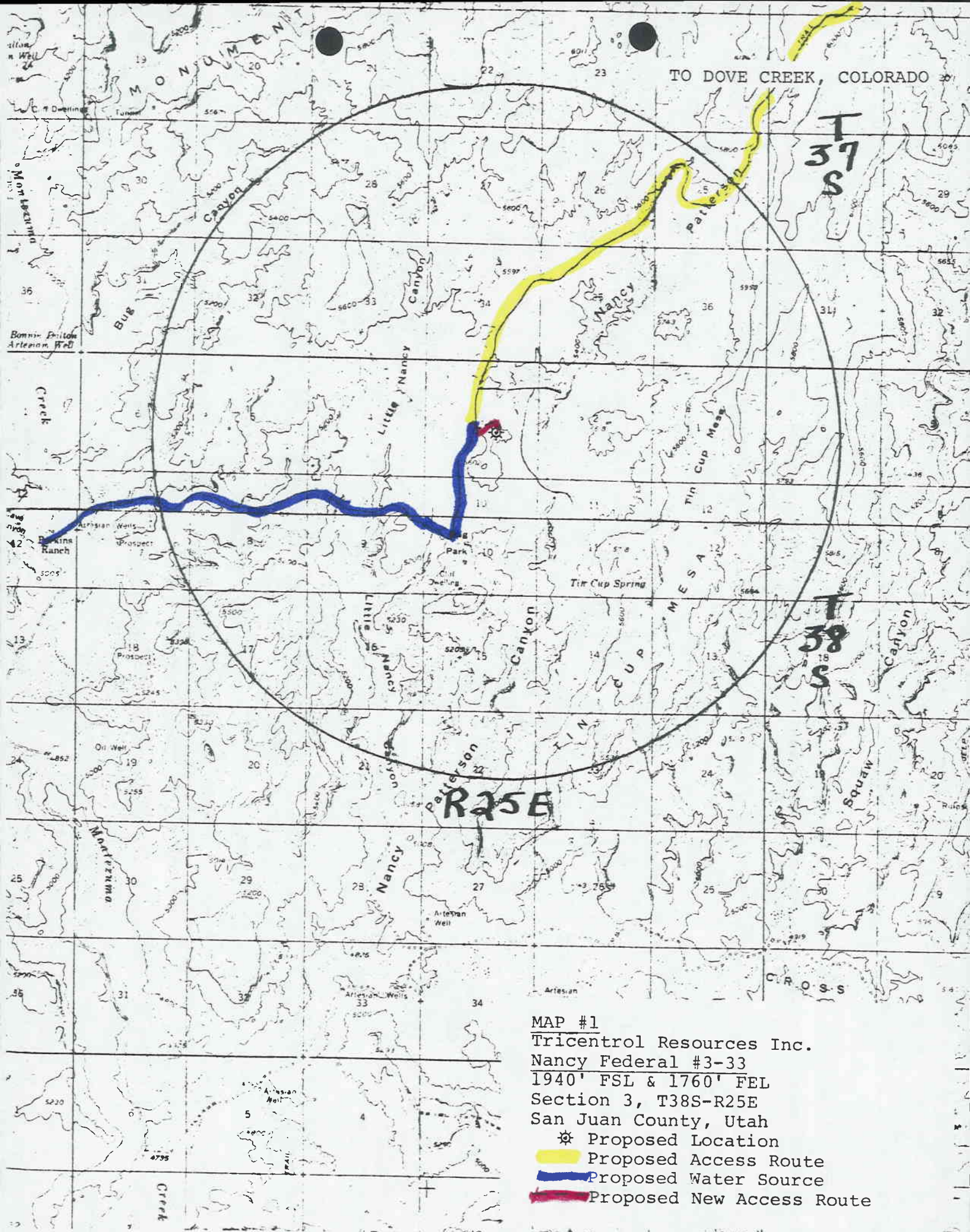
Date

5/12/88  
David Howell  
David Howell - Petroleum Engineer  
TRICENTROL RESOURCES INC.

**Permitco**

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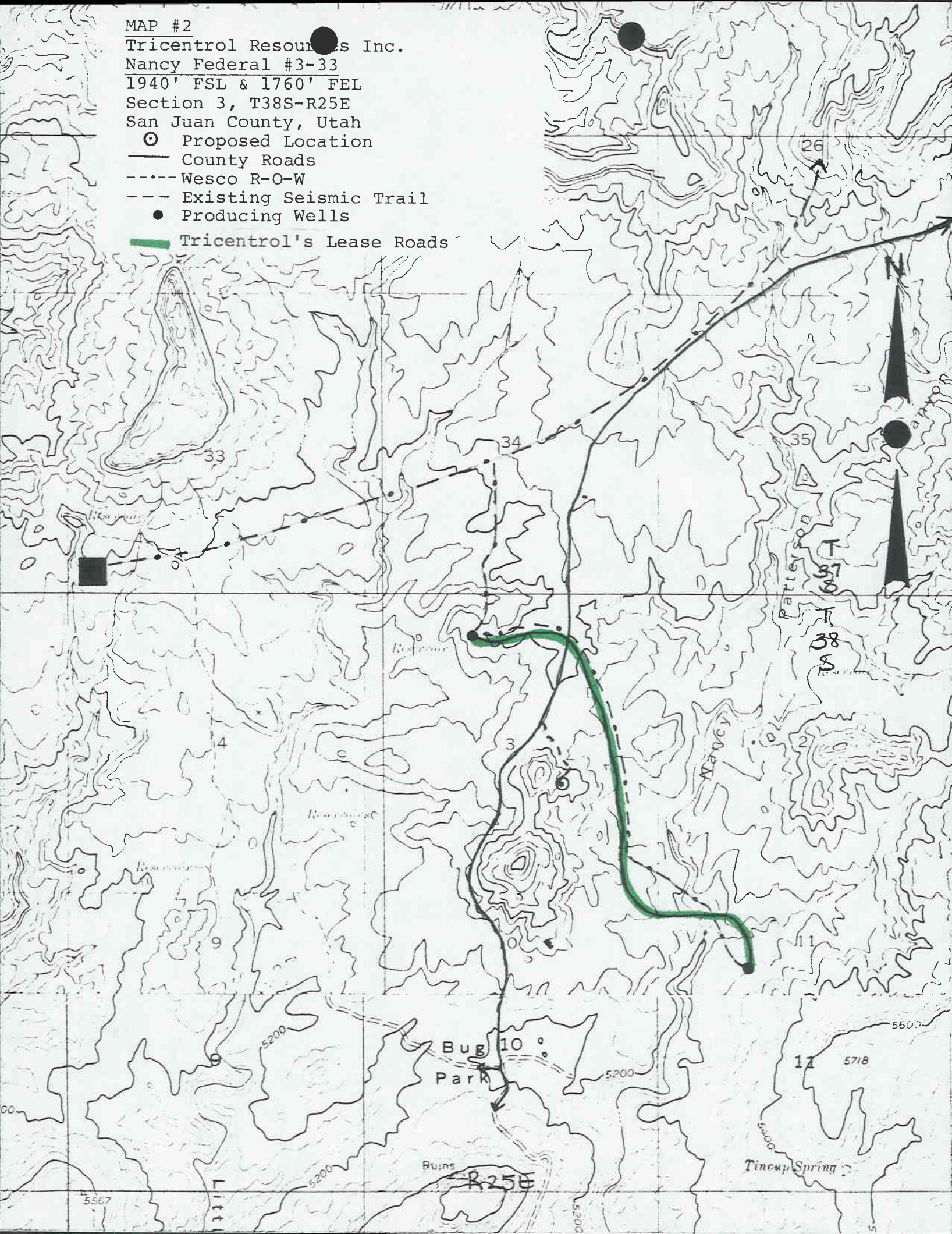


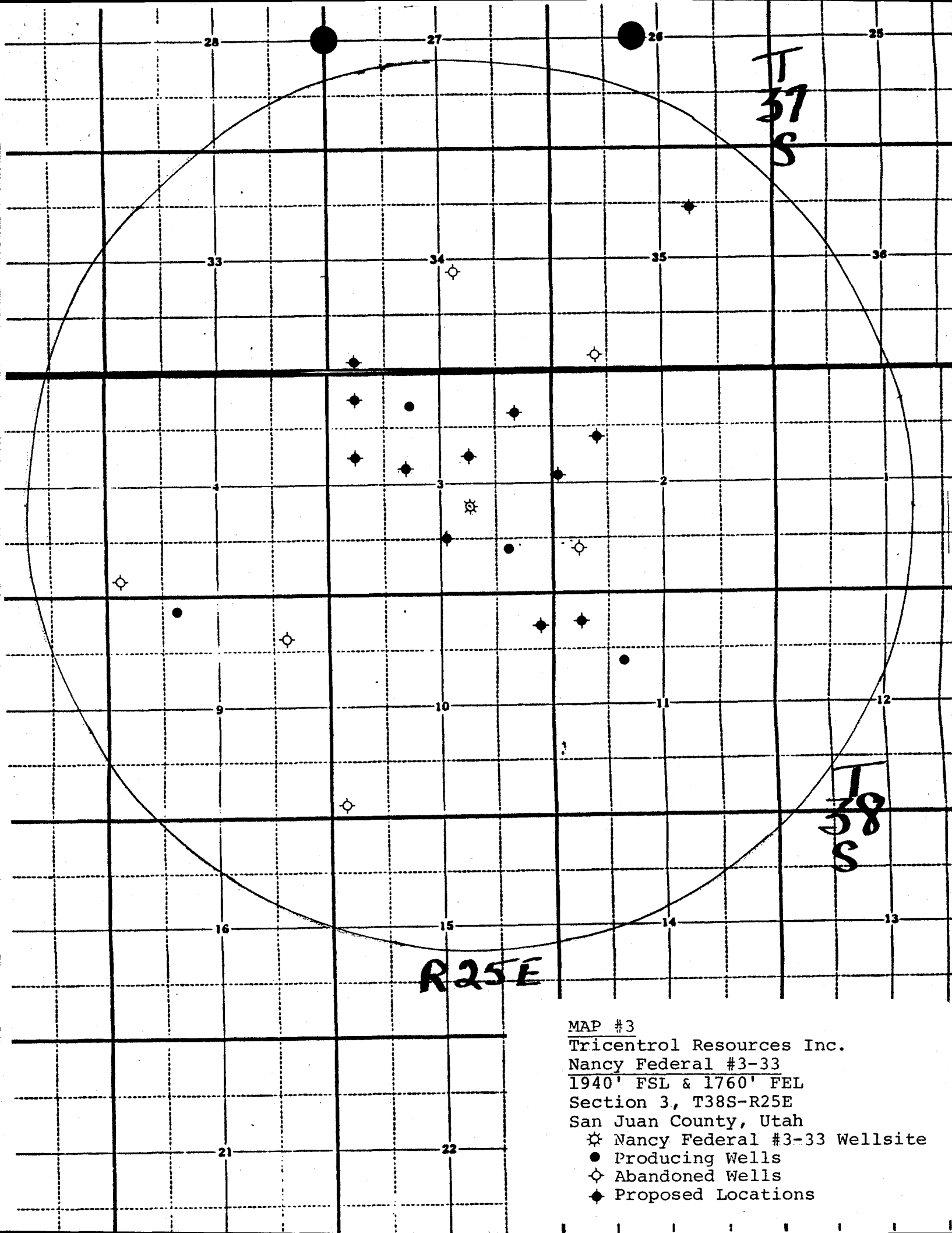
MAP #1  
Tricentrol Resources Inc.  
Nancy Federal #3-33  
1940' FSL & 1760' FEL  
Section 3, T38S-R25E  
San Juan County, Utah  
\* Proposed Location  
Yellow Proposed Access Route  
Blue Proposed Water Source  
Red Proposed New Access Route



MAP #2  
Tricentrol Resources Inc.  
Nancy Federal #3-33  
1940' FSL & 1760' FEL  
Section 3, T38S-R25E  
San Juan County, Utah

- Proposed Location
- County Roads
- Wesco R-O-W
- Existing Seismic Trail
- Producing Wells
- Tricentrol's Lease Roads





MAP #3

Tricentrol Resources Inc.

Nancy Federal #3-33

1940' FSL & 1760' FEL

Section 3, T38S-R25E

San Juan County, Utah

☼ Nancy Federal #3-33 Well site

● Producing Wells

◇ Abandoned Wells

◆ Proposed Locations



Scale: 1" = 50'

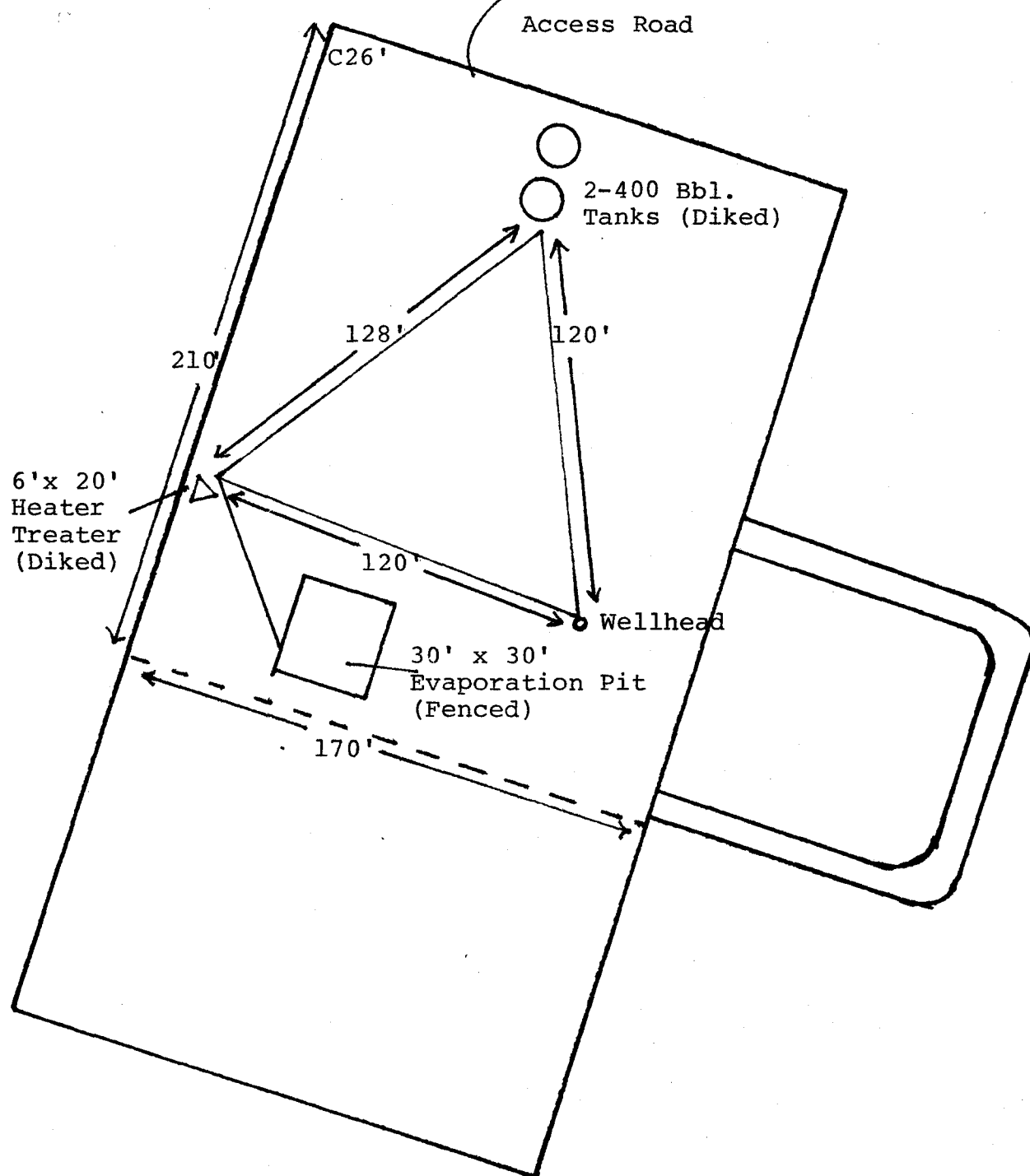


DIAGRAM #1  
Production Facilities Layout  
Tricentrol Resources Inc.  
Nancy Federal #3-33  
1940' FSL & 1760' FEL  
Section 3, T38S-R25E  
San Juan County, Utah

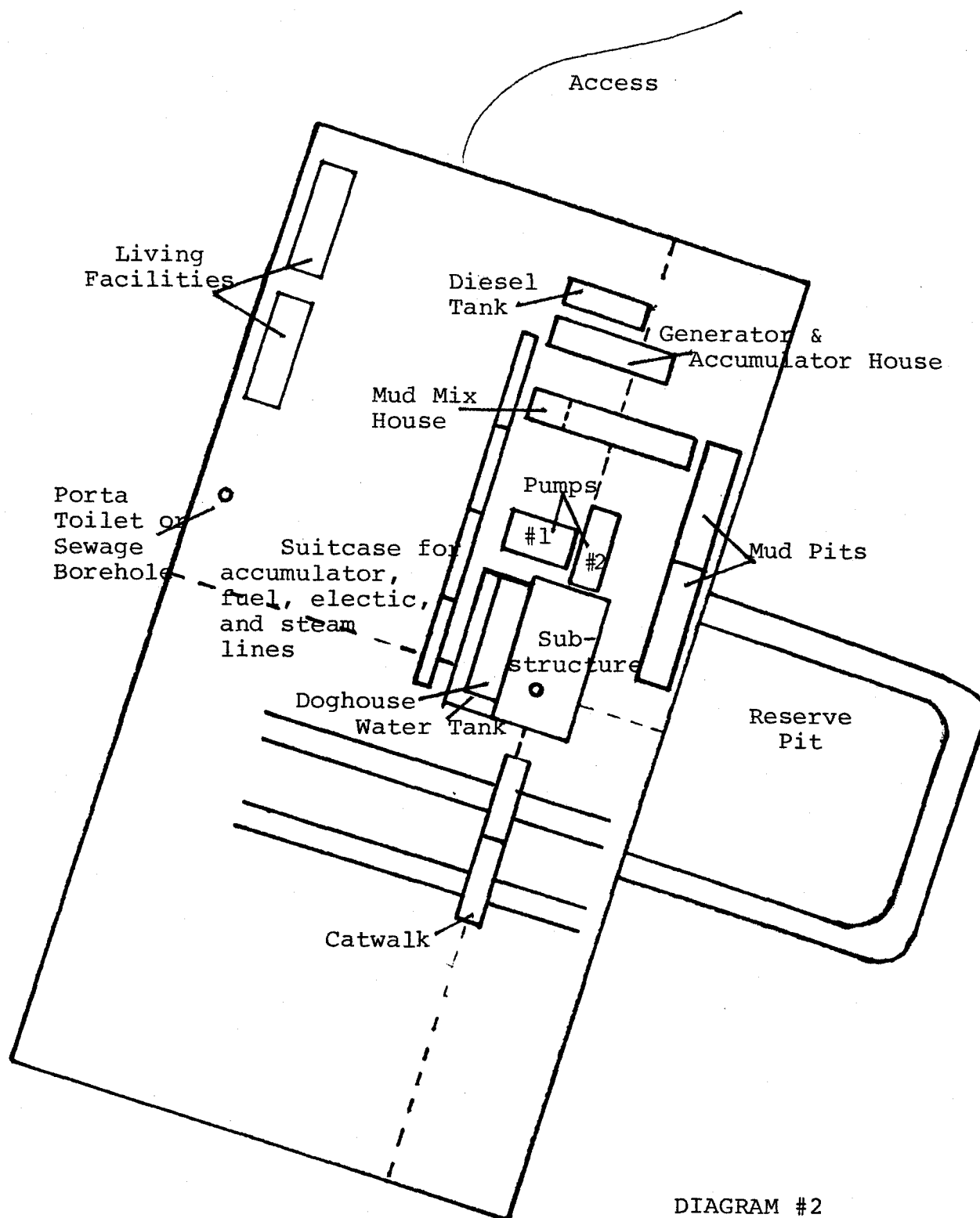


DIAGRAM #2  
 Rig Layout  
 Tricentrol Resources Inc.  
 Nancy Federal #3-33  
 1940' FSL & 1760' FEL  
 Section 3, T38S-R25E  
 San Juan County, Utah



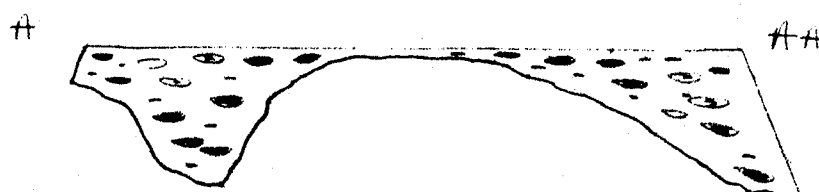
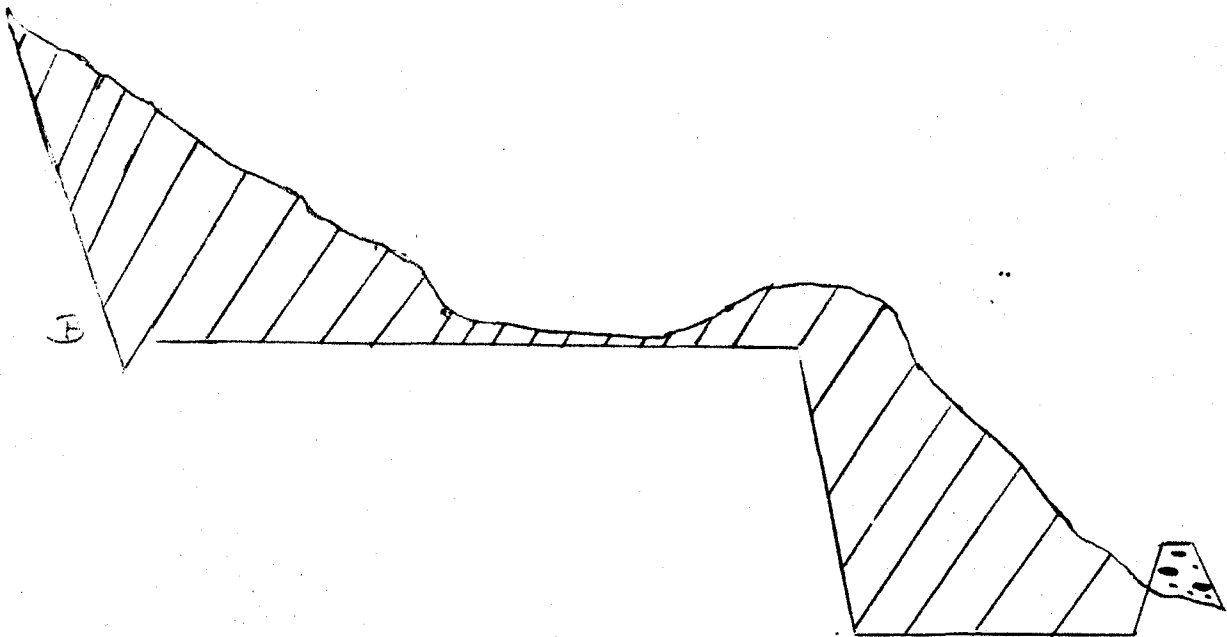
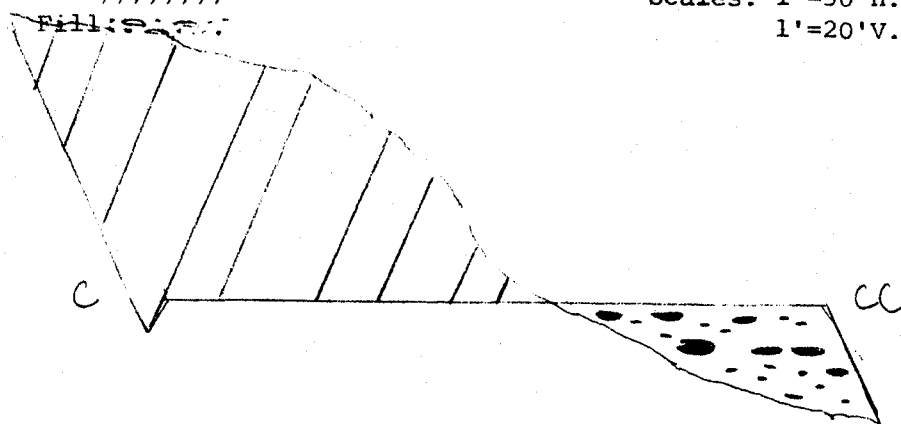
# POWERS ELEVATION

Well Nancy Federal 3-33

OIL WELL ELEVATIONS — LOCATIONS  
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES  
800 SOUTH CHERRY STREET, SUITE 1201  
DENVER, COLORADO 80222  
PHONE NO. 303/321-2217

Cut ///////////////  
Fill: - - - - -

Scales: 1"=50'H.  
1'=20'V.



Cross Section

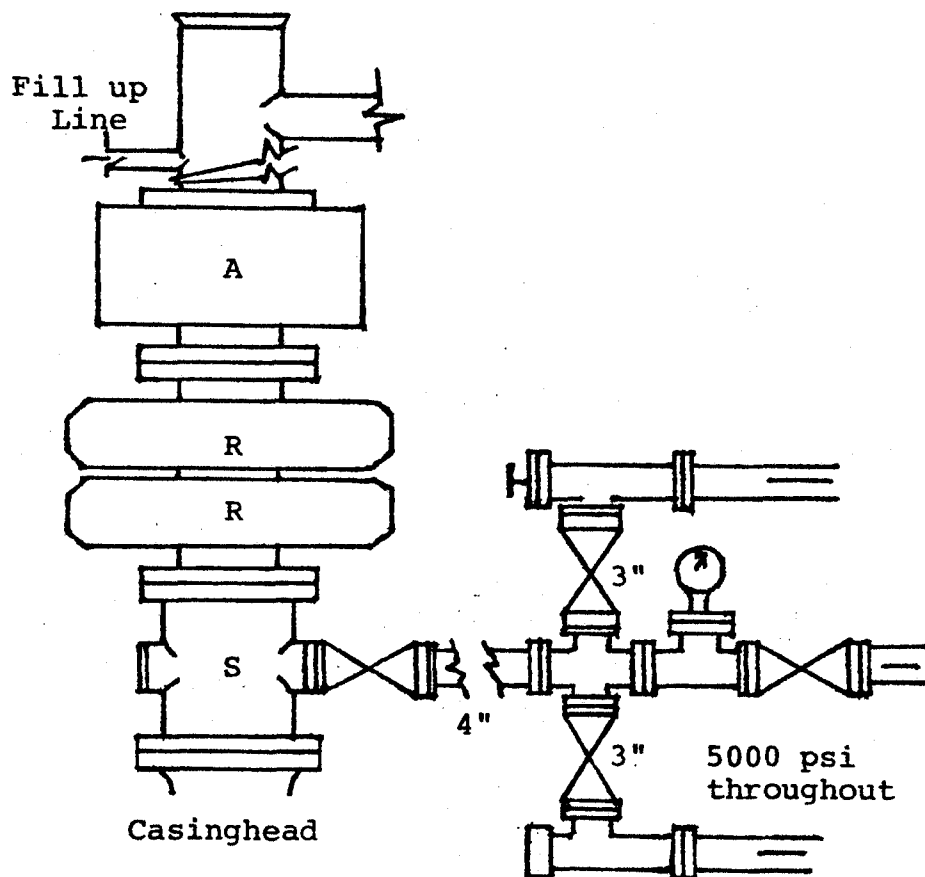
DIAGRAM #3  
Tricentrol Resources Inc.  
Nancy Federal #3-33  
1940' FSL & 1760' FEL  
Section 3, T38S-R25E  
San Juan County, Utah

[illegible]

DIAGRAM #4  
Cut & Fill Diagram  
Tricentrol Resources  
Nancy Federal #3-33  
1940' FSL & 1760' FEL  
Section 3, T38S-R25E  
San Juan County, Utah

Shaffer Spherical  
10" 5000

Shaffer 'LWS'  
10" 5000



AN ARCHEOLOGICAL SURVEY OF  
TRICENTROL RESOURCES, INC.'S  
NANCY FEDERAL #3-33 WELL PAD  
AND ACCESS ROAD  
SAN JUAN COUNTY, UTAH

LAC REPORT 8315

by  
Patrick L. Harden

LA PLATA ARCHEOLOGICAL CONSULTANTS, INC.  
P.O. BOX 783  
DOLORES, COLORADO 81323  
(303) 882-4933

MAY 2, 1983

Federal Antiquities Permit  
83-AZ/CO/NM/UT-006

Prepared For:  
Tricentrol Resources, Inc.  
Suite 200  
5675 S. Tamarac Parkway  
Englewood, Colorado 80111

## ABSTRACT

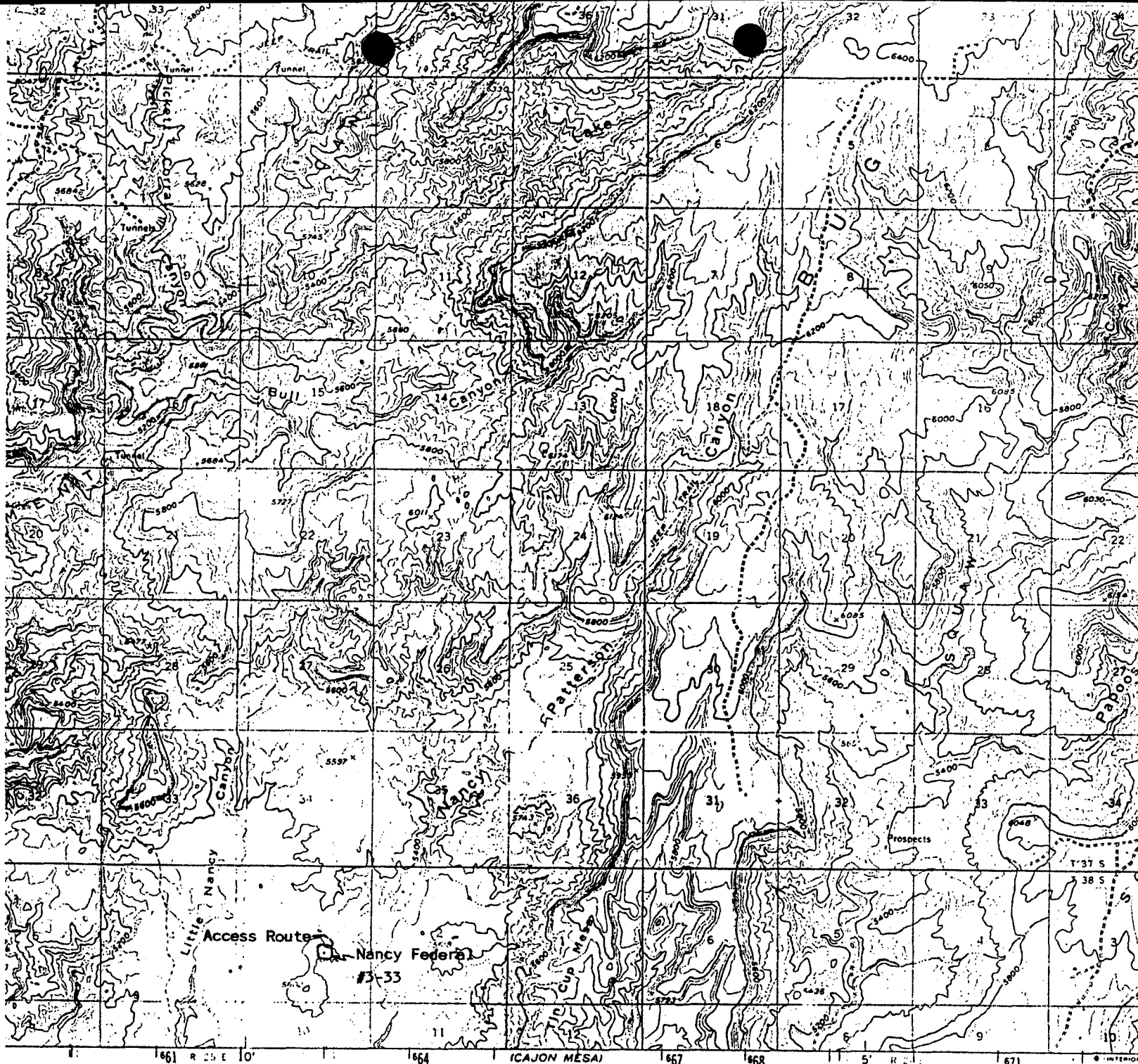
An archeological survey of Tricentrol Resources, Inc.'s Nancy Federal #3-33 well pad was conducted on April 27, 1983 by personnel of La Plata Archeological Consultants, Inc. of Dolores, Colorado. The project is located on lands administered by the Bureau of Land Management - San Juan Resource Area, Utah. An area 600 X 600 feet surrounding the well pad center stake and a 50' wide corridor along approximately 200' of new access road to be constructed were archeologically investigated. No cultural resources were located in the project area, thus archeological clearance is recommended for this project.

## INTRODUCTION

The archeological survey for Tricentrol Resources, Inc.'s Nancy Federal #3-33 well pad was requested by Ms. Lisa Green, acting permit agent for Tricentrol. The survey was conducted in conjunction with the pre-drill on-site inspection on April 27, 1983. Persons attending the pre-drill were Ms. Green (Permitco), Dave Howell (Tricentrol), Brian Wood (BLM), Gerald Huddleston (Powers Elevation), Al Heaton (Urado Construction), and Harden (LAC).

The well pad is located in the NW $\frac{1}{4}$ , SE $\frac{1}{4}$ , section 3, T38S, R25E, San Juan County, Utah. The area is included on the Monument Canyon, Utah-Colo. 15' series topographic map (1957).

Access to the well pad partially follows a reclaimed seismograph road to the County road located ca. 500' northwest.



# MONUMENT CANYON, UTAH-COLO. 1957

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



## PROJECT DESCRIPTION

The proposed project consists of the construction of a single well pad ca. 275 X 300 feet in size. New access road ca. 200 feet in length and upgrading of an additional ca. 500' of seismograph road will be required.

## PHYSIOGRAPHY AND ENVIRONMENT

The project area is located in Bug Park, a large open valley along the central reaches of Nancy Patterson Canyon. The area is bordered on the east by Tin Cup Mesa, and on the west by Little Nancy Canyon. The terrain in Bug Park is gently undulating in most areas, although prominent steep isolated hills and ridges are scattered throughout the area. The #3-33 well pad is located along the east facing slopes of one of the prominent ridges. Steep slopes border the pad area on the north, west, and east.

Sediments are primarily sand to cobble sized colluvium, with moderate sized boulders prevalent. Vegetation is sparse, with juniper, saltbush, snakeweed, and bunch grass represented. The nearest source of permanent water is Tin Cup Spring, located ca. 1 3/4 miles southeast. Fauna present is consistent with that of the Upper Sonoran Life Zone found throughout much of the Southwest. Current use of the area is primarily oriented toward livestock grazing, although the project area per se is generally unsuitable for such purposes.

## EXAMINATION PROCEDURES

A file and literature review was conducted at the San Juan Resource Area office of the Bureau of Land Management in Monticello on April 4th, prior to the field investigations. None of the project area had been previously surveyed (according to BLM records), and no significant cultural resources are in or near the project area. Portions of the seismograph road to be used for access were archeologically surveyed by DCA, but no reports concerning the project are currently available. An area 600 X 600' surrounding the well pad center stake was inventoried for cultural resources, as well as a 20 meter wide (66') corridor along those portions of the access route to be newly constructed. The archeological survey was performed by Patrick Harden and consisted of walking a series of transects across the well pad spaced at 15m intervals. A single sinuous transect was walked along the access route. The well pad and access route were flagged prior to and during the archeological inspection.

## RESULTS

No cultural resources were found during the archeological survey. The nature of the sediments in the project area make the possibility of buried cultural deposits being present highly unlikely.

## CONCLUSION

The archeological survey of Tricentrol Resources, Inc.'s Nancy Federal #3-33 well pad was conducted by Patrick Harden of La Plata Archeological Consultants on April 27, 1983. No cultural resources were located in the project area, thus archeological clearance is recommended for this project.

NTL-6 PROGRAM

APPROVAL OF OPERATIONS

NANCY FEDERAL #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

Prepared For:

TRICENTROL RESOURCES, INC.

By:

PERMITCO  
1020 Fifteenth Street, Suite 22E  
Denver, Colorado 80202

**RECEIVED**  
MAY 12 1993

DIVISION OF  
OIL, GAS & MINING

Copies Sent To:

- 4 - BLM - Salt Lake City, Utah
- 1 - BLM - Monticello, Utah
- 1 - Division of Oil, Gas & Mining, SLC, UT
- 6 - Tricentrol Resources Inc. - Denver, CO

**Permitco**

A Petroleum Permitting Company

# Tricentrol

RESOURCES INC.

Suite 200, Gateway Place  
5675 South Tamarac Parkway  
Englewood, Colorado 80111 U.S.A.  
Telephone (303) 694-0988

May 10, 1983

Minerals Management Service

RE: NTL-6 Program  
Nancy Federal #3-33  
1950' FEL & 2080' FSL  
Section 3, T38S-R25E  
San Juan County, Utah

Gentlemen:

This letter is to inform you that Tricentrol hereby authorizes Permitco to prepare the above mentioned NTL-6 program and to attend to any other related matters.

If anything further is needed, please advise.

Sincerely,

TRICENTROL RESOURCES INC.



Richard P. Crist  
Area Exploration Manager

RPC:ram

# Permitco

A Petroleum Permitting Company

State of Utah  
Division of Oil, Gas, & Mining  
4241 State Office Bldg.  
Salt Lake City, UT 84114

Re: Tricentrol Resources Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

Gentlemen:

Tricentrol Resources Inc. proposes to drill a well at the above mentioned location.

We realize that this location is a non-standard location in accordance with the spacing rules for the State of Utah. This location was picked due to topography and extensive seismic work which was done in the immediate area.

Tricentrol Resources Inc. is the lease holder of all of Section 3, T38S - R25E. Therefore, no other lease holders will be affected by the drilling of the above proposed well.

We, therefore, request your permission to drill this well at a non-standard location.

Sincerely,

PERMITCO



Lisa L. Green  
Consultant for  
Tricentrol Resources Inc.

/llg

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-40053
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Tricentrol Resources Inc. c/o Permitco		7. UNIT AGREEMENT NAME Little Nancy Unit
3. ADDRESS OF OPERATOR 1020-15th St., Suite 22-E Denver, CO 80202		8. FARM OR LEASE NAME Nancy Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1940' FSL and 1760' FEL At proposed prod. zone NW SE Sec. 3		9. WELL NO. #3-33
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 28 miles SW of Dove Creek, Colorado		10. FIELD AND POOL, OR WILDCAT Unnamed
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 440'	16. NO. OF ACRES IN LEASE 1921.56	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T38S-R25E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1000'	19. PROPOSED DEPTH 6000'	12. COUNTY OR PARISH 13. STATE San Juan Utah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5447' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS Rotary
		22. APPROX. DATE WORK WILL START* Upon approval

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	1325'	600 sx - circulated
7-7/8"	5-1/2"	15.5#	6000'	250 sx or sufficient to cover zones of interest

Tricentrol Resources Inc. proposes to drill a well to the depth of 6000 feet to test the Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per B.L.M. and State of Utah requirements.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. David Howell  
SIGNED: David Howell TITLE: Petroleum Engineer DATE: 7/21/83  
(This space for Federal or State office use)

PERMIT NO. AS Martin APPROVAL DATE for E. W. Guynn  
APPROVED BY AS Martin TITLE District Oil & Gas Supervisor DATE JUL 21 1983  
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPYFLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

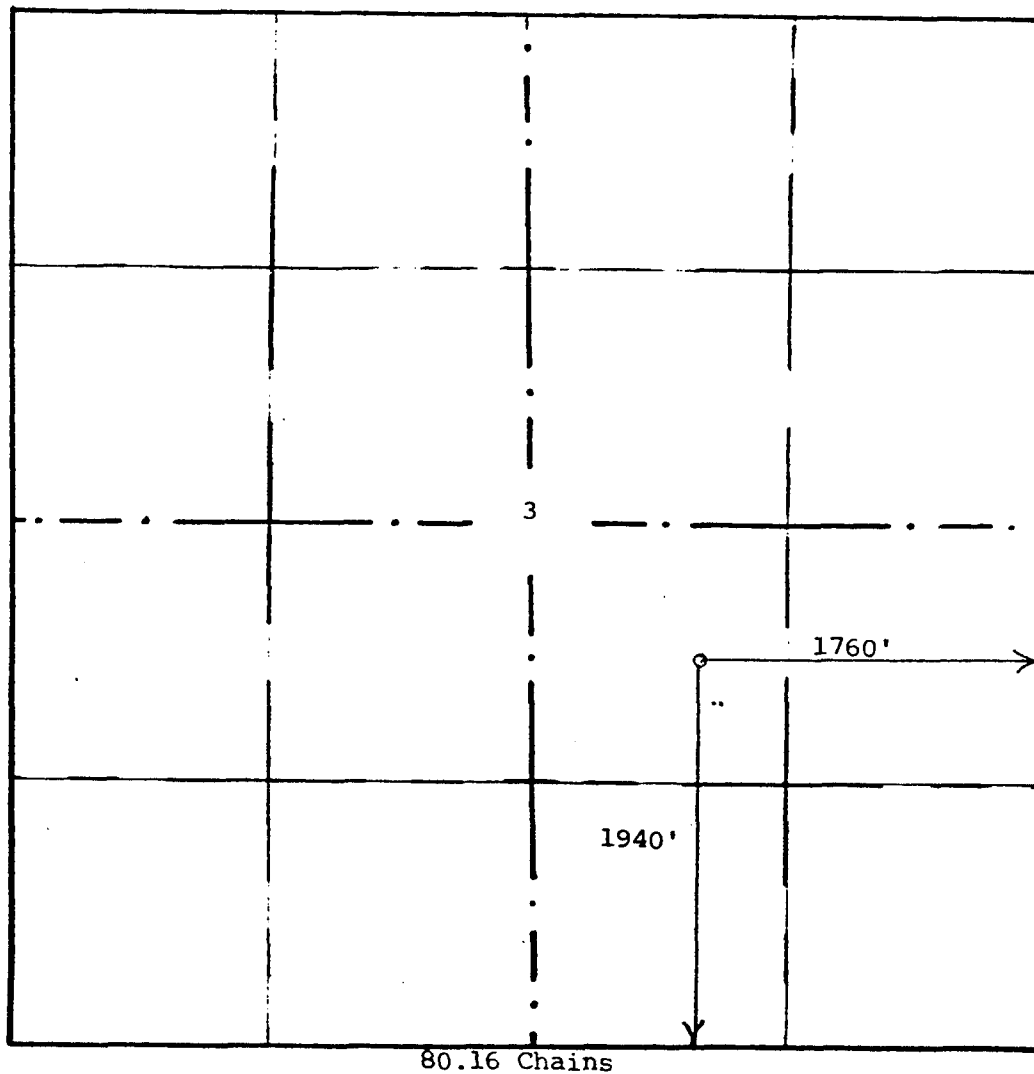
STATE 0 &amp; 6



POWERS ELEVATION

LAT #1

Well Location Plat



Operator Tricentrol U.S.A.		Well name Nancy Federal 3-33	
Section 3	Township 38 South	Range 25 East	Meridian SLPM
Footages 1940' FSL & 1760' FEL			County/State San Juan, Utah
Elevation 5447'	Requested by Lisa Green		
The above plat is true and correct to the best of my knowledge and belief. 27 April 1983 <i>Gerald G. Huddleston</i> Gerald G. Huddleston, L.S. Utah exception			



Tricentrol Resources Inc.  
Well No. 3-33  
Section 3, T. 38 S., R. 25 E.  
San Juan County, Utah  
Little Nancy Unit  
Lease U-40053

Supplemental Stipulations

- 1) Adequate and sufficient electric/radioactive logs will be run to locate and identify the saline minerals in the Paradox formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers.

## ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

OPERATOR Tricentrol Resources Inc

DATE 5-16-83

WELL NAME Little Nancy Unit #3-33

SEC *NWSE 3*

T 385

R 25E

COUNTY San Juan

43- 037- 30897

API NUMBER

*Feb*

**TYPE OF LEASE**

POSTING CHECK OFF:

## INDEX

10

MAP

HL

NTD

PI

PROCESSING COMMENTS:

THIS WELL DOES NOT APPEAR ON 1983 PLAN OF DEVELOPMENT

**✓CHIEF PETROLEUM ENGINEER REVIEW:**

**APPROVAL LETTER:**

SPACING:

A-3

A-3 LITTLE NAUCY  
UNIT

UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *FLA*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER \_\_\_\_\_

☒ UNIT LITTLE HANCE

☐ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

May 18, 1983

Tricentral Resources, Inc.  
c/o Permitco  
1020-15th Street, Suite 22-E  
Denver, Colorado 80202

RE: Well No. Little Nancy Unit 3-33  
NWSE Sec. 3, T.38S, R.25E  
1940 FEL, 1760 FEL  
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30897.

Sincerely,

Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Oil & Gas Operations  
Enclosure



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 4, 1984

Tricentrol Resources, Inc.  
c/o Permitco  
1020 - 15th Street, Suite 22-E  
Denver, Colorado 80202

Re: Well No. Little Nancy #3-33  
API #43-037-30897  
1940' FSL, 1760' FEL NW/SE  
Sec. 3, T. 38S, R. 25E.  
San Juan County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

If spudding has not occurred within one year of the date of approval for this well, approval to drill is rescinded.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones  
Well Records Specialist

CJ/cj

# Permitco

A Petroleum Permitting Company

May 25, 1984

RECEIVED

MAY 29 1984

DIVISION OF OIL  
GAS & MINING

State of Utah  
Division of Oil, Gas, & Mining  
4241 State Office Bldg.  
Salt Lake City, UT 84114

Re: Tricentrol Resources Inc.  
Nancy Federal #3-33  
1940' FSL and 1760' FEL  
Sec. 3, T38S - R25E  
San Juan County, Utah

Gentlemen:

Tricentrol Resources Inc. proposes to drill a well at the above mentioned location.

We realize that this location is a non-standard location in accordance with the spacing rules for the State of Utah. This location was picked due to topography and extensive seismic work which was done in the immediate area.

Tricentrol Resources Inc. is the lease holder of all of Section 3, T38S - R25E. Therefore, no other lease holders will be affected by the drilling of the above proposed well.

We, therefore, request your permission to drill this well at a non-standard location.

Sincerely,

PERMITCO



Lisa L. Green  
Consultant for  
Tricentrol Resources Inc.

/llg

Enclosures

RECEIVED  
MAY 29 1984(Other instructions on  
reverse side)STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MININGDIVISION OF OIL  
GAS & MINING

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. Lease Designation and Serial No. U-40053	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name	
2. Name of Operator Tricentrol Resources Inc. c/o Permitco 303/595-4051			7. Unit Agreement Name Little Nancy Unit	
3. Address of Operator 1020-15th Street, Suite 22-E, Denver, Colorado 80202			8. Farm or Lease Name Nancy Federal	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1940' FSL and 1760' FEL NW SE Sec. 3 At proposed prod. zone			9. Well No. #3-33	
14. Distance in miles and direction from nearest town or post office* 28 miles SW of Dove Creek, Colorado			10. Field and Pool, or Wildcat Unnamed	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 440'			11. Sec., T., R., M., or Blk. and Survey or Area Sec. 3, T38S-R25E	
16. No. of acres in lease 1921.56			12. County or Parrish San Juan	
17. No. of acres assigned to this well 40			13. State Utah	
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 1000'			20. Rotary or cable tools Rotary	
21. Elevations (Show whether DF, RT, GR, etc.) 5447' GR			22. Approx. date work will start*	
23. PROPOSED CASING AND CEMENTING PROGRAM				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24#	1325'	600 sx - circulated
7-7/8"	5-1/2"	15.5#	6000'	250 sx - or sufficient to cover zones of interest.

Tricentrol Resources Inc. proposes to drill a well to the depth of 6000' to test the Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per B.L.M. and State of Utah requirements.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed Lisa L. Green Title Consultant for Tricentrol Resources Inc. Date 5/25/84  
(This space for Federal or State office use)

Permit No. \_\_\_\_\_ Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: TRICENTROL RESOURCES INC

WELL NAME: LITTLE NANCY UNIT 3-33

SECTION NWSE 3 TOWNSHIP 38S RANGE 25E COUNTY SAN JUAN

DRILLING CONTRACTOR COLEMAN DRILLING

RIG # 3

SPUDDED: DATE 6-5-84

TIME 3:00 AM

How ROTARY

DRILLING WILL COMMENCE

REPORTED BY DAVID HOWELL

TELEPHONE # (303) 694-0988

DATE 6-5-84 SIGNED GL

RECEIVED  
JUN 11

Form 9-331  
Feb. 1973

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved.  
Budget Bureau No. 42-R1424

DIVISION OF  
GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different formation. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR

Tricentrol Resources Inc.

3. ADDRESS OF OPERATOR 5675 DTC Blvd., Ste 200  
Englewood, Colorado 80111

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2300' FSL & 1760' FEL

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON\* ☐

(other) Well Status ☒

SUBSEQUENT REPORT OF:

☐

☐

☐

☐

☐

☐

☐

☐

☒

5. LEASE

U-40053

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

None

7. UNIT AGREEMENT NAME

Little Nancy Unit

8. FARM OR LEASE NAME

Nancy Federal

9. WELL NO.

#3-33

10. FIELD OR WILDCAT NAME

Nancy

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 3, T38S-R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

14. API NO.

43-037-30897

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded well on 6/5/84. Drilled 17-1/2" hole to 54'. Set 1 joint, 13-3/8" conductor pipe and cemented with 50 sxs Class B. Drilled 12 1/4" hole to 1580'. Ran 37 jts, 8-5/8", 24#, J-55, ST&C surface casing and set at 1571.35'. Cemented with 580 sxs. Circulated 15 bbls cement to surface.

Present Operation: Drilling at 2100'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

*David P. Howell*

TITLE

Sr. Petroleum Engineer

DATE

6/8/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah OGMD

\*See Instructions on Reverse Side

WORK ORDER CONTRACT  
AND PRE-TREATMENT DATAATTACH TO  
INVOICE & TICKET NO.

689550

DISTRICT CORTEZDATE 6-17-84

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: TRICENTROL RESOURCES  
(CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 3-33 LEASE NANCY FEDERAL SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_FIELD WILDCAT COUNTY SAN JUAN STATE UTAH OWNED BY SOME

## THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____		NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS _____ FROM _____ TO _____	CASING						
PACKER: TYPE _____ SET AT _____	LINER						
TOTAL DEPTH _____ MUD WEIGHT _____	TUBING DP	U	16.6	4 1/2	KB	5857	
BORE HOLE _____	OPEN HOLE						SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF	PERFORATIONS						
PRESENT PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF	PERFORATIONS						
	PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING DP ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED \_\_\_\_\_PLUG TO ABANDON USING 265 SX

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
- Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
- Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
- Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
- Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT  
THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.SIGNED Denny R. Mann

CUSTOMER

DATE 6-17-84TIME 2:00 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER



# HALLIBURTON SERVICES JOB SUMMARY

FORM 2012 R-2

HALLIBURTON  
DIVISION

HALLIBURTON  
LOCATION

MIDLAND

CORTEZ

BILLED ON  
TICKET NO.

689550

## WELL DATA

FIELD WILDCAT SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY SAN JUAN STATE UTAH

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING		11.6	4 1/2	KB	5857	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-17-84</u>	DATE <u>6-17-84</u>	DATE <u>6-17-84</u>	DATE <u>6-18-84</u>
TIME <u>1600</u>	TIME <u>2045</u>	TIME <u>2149</u>	TIME _____

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. McDONALD</u>	<u>31326</u> <u>CMT. PKP.</u>	<u>CORTEZ</u>
<u>I. WEBSTER</u>	<u>51013</u> <u>PCM TOEG</u>	<u>CORTEZ</u>
<u>N. LEWIS</u>	<u>0112</u> <u>BL.</u>	<u>CORTEZ</u>

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

DEPARTMENT CEMENT

DESCRIPTION OF JOB PLUG TO ABANDON

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TBG./ANN. ☐

CUSTOMER REPRESENTATIVE X. Dennis R. Mann

HALLIBURTON OPERATOR JOE McDONALD COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>165</u>	<u>NCBT</u>	<u>B</u>	<u>IXCEL</u>	<u>B</u>	<u>NONE</u>	<u>1.18</u>	<u>15.6</u>

## PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

## HYDRAULIC HORSEPOWER

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE

FEET \_\_\_\_\_ REASON \_\_\_\_\_

## SUMMARY

PRESLUSH: BBL.-GAL. 36.2  
LOAD & BKDN: BBL.-GAL. \_\_\_\_\_  
TREATMENT: BBL.-GAL. \_\_\_\_\_  
CEMENT SLURRY: BBL.-GAL. 55.6  
TOTAL VOLUME: BBL.-GAL. 248.8

## VOLUMES

TYPE FLU  
PAD: BBL.-GAL. 148  
DISPL: BBL.-GAL. 9

## REMARKS

CUSTOMER

# HALLIBURTON SERVICES JOB LOG

NO. 3-33 LEASE NANCY F TICKET NO. 689550  
 CUSTOMER TRICENTRAL RESOURCES PAGE NO. 1  
 JOB TYPE PLUG TO ABANDON DATE 6-17-84

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBB) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TOBING	CASING	
	2045					DP		ON LOCATION
	2050							SAFETY MEETING
1	2149	2.9	8.6			150		ST PUMPING WATER AHEAD 5851-5380'
2	2152		29					SHUTDOWN - ST MIXING CMT. 137SK
3	2155	4.9				800		START PUMPING CMT.
4	2201	3	3			100		CMT IN - ST WATER BEHIND
5	2202	8.1	73			800		ST MUD DISPLACEMENT
6	2211							DISP. IN - SHUTDOWN
7	2317	2.9	8.6			100		ST WATER AHEAD 4433-4233'
8	2320							SHUTDOWN - ST. MIXING CMT. 57SK
9	2322	6	12			300		ST. PUMPING CMT.
10	2324	3	3			50		CMT IN - ST WATER BEHIND
11	2325	7.1	57			500		ST. MUD DISPLACEMENT
12	2333							DISP IN - SHUTDOWN
13	0156	3	9			50		ST WATER AHEAD 1671' - 1471'
14	0159							SHUTDOWN - MIX CMT. 58SK
15	0200	4.1	12.3			150		ST PUMPING CMT.
16	0203	3	3			50		CMT. IN - ST. WATER BEHIND
17	0204	6	18			100		ST. MUD DISP.
18	0207							DISP IN - SHUTDOWN
19	0314	2.5	10			50		ST. WATER AHEAD
20	0318							WATER IN - MIX CMT
21	0322	1	2			50		PUMP CMT. 10SK.
22	0324							CMT IN SHUT DOWN
								JOB COMPLETE.
								Thank You For Calling Halliburton!
								Jae Swan Hooker

CUSTOMER

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐  
2. NAME OF OPERATOR  
Tricentrol Resources Inc.  
3. ADDRESS OF OPERATOR  
5675 DTC Blvd, Ste 200, Englewood, CO 80111  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2300' FSL & 1760' FEL (NWSE)  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same  
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) Well status

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☒

5. LEASE  
U-40053  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
None  
7. UNIT AGREEMENT NAME  
Little Nancy Unit  
8. FARM OR LEASE NAME  
Nancy Federal  
9. WELL NO.  
#3-33  
10. FIELD OR WILDCAT NAME  
Nancy  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 3, T38S-R25E  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
Utah  
14. API NO.  
43-037-30897  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5361'GR; 5375'KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Current Operation: Depth 5665' drilling ahead.

RECEIVED

JUN 18 1984

DIVISION OF OIL  
GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Alan P. Howell TITLE Sr. Petro. Engineer DATE 6/15/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc: Utah OGMD ✓

RECEIVED

JUN 21 1984

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
4241 State Office Building  
Salt Lake City, UT 84114

DIVISION OF OIL  
GAS & MINING

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Nancy Federal #3-33

Operator Tricentrol Resources Inc. Address 5675 DTC Blvd., Ste. 200  
Englewood, CO 80111

Contractor Coleman Drilling Co. Address Drawer 3337, Farmington, NM 87499

Location NW 1/4 SE 1/4 Sec. 3 T. 38S R. 25E County San Juan

Water Sands

	<u>Depth</u>	<u>Volume</u>	<u>Quality</u>
	From To	Flow Rate or Head	Fresh or Salty
1.	4608' 4624'	Not measured	Salt Water
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

<u>Formation Tops</u>	Chinle 1550'	Hermosa 4330'	Paradox Salt 5852'
	DeChelly 2406'	Ismay 5480'	
	Cutler 2480'	Desert Creek 5714'	

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



RECEIVED

JUN 25 1984

DIVISION OF OIL  
GAS & MINING

IGT

TRICENTROL RESOURCES INC.  
#3-33 NANCY FEDERAL  
SEC. 3 T38S-R25E  
SAN JUAN COUNTY, UTAH

INTERMOUNTAIN GEO-TECH INCORPORATED  
P. O. BOX 158  
DELTA, COLORADO 81416  
(303) 874-7762

TRICENTROL RESOURCES INC.  
#3-33 NANCY FEDERAL  
SEC. 3 T38S-R25E  
SAN JUAN COUNTY, UTAH

The #3-33 Nancy Federal was spudded on Tuesday, June 5, 1984 and drilled to a depth of 54' with 17½" bit and 13 5/8" casing set at that point. Drilling resumed at 9:00 P.M. with a 12½" bit and continued to 1571' where drilling was stopped and a string of 8 5/8" casing set on June 7, 1984. At 8:00 P.M., June 7 drilling resumed after 11½ hours down for the casing and cement, with a 7 7/8" bit. At 4500' on June 10 mudding up began and at 4762' rig became stuck. After 1½ hours, worked free and began a trip for the bit. Drilling began again at 3:40 A.M. June 11 after 9½ hours downtime. At 5051' at 7:30 P.M. June 11 bit #4 was pulled and drilling resumed at 1:00 A.M. June 12. Drilling continued without delays to 5526' where a trip was made for DST #1 in the Upper Ismay. Very poor pressures were noted although there was good gas and sample show. Drilling was again resumed and 30' was drilled to a depth of 5556' on June 14 and a trip was begun for DST #2. Although the gas show was poor the test pressures were better than the first test. As anticipated salt water was recovered. Drilling was resumed at 11:30 P.M. June 14 and was continued to T.D. at 5857' on June 15. Schlumberger logged the well on June 16. IGT Unit #4 was released from location on June 16, 1984 at 12:00 P.M.

Dave Meade  
Geologist, IGT

TRICENTROL RESOURCES INC.  
#3-33 NANCY FEDERAL  
SEC. 3 T38S-R25E  
SAN JUAN COUNTY, UTAH

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- (1) COPY, FINAL MUD LOG ( 5"=100')
- (1) COPY, FINAL MUD LOG (2.5"=100')

DRILLING CONTRACTOR:	COLEMAN DRILLING RIG #3 FARMINGTON, NEW MEXICO
DRILLING FOREMAN:	MR. DENNIS MANN
PUSHER:	MR. GLENN STORIE
GEO TECHNOLOGISTS:	MR. DAVE MEADE MS. JAN A. JOHNSON MR. DAN CUTLER INTERMOUNTAIN GEO-TECH INC. DELTA, COLORADO 81416
DRILLING FLUID:	MR. JOHN HUNTER DAVIS MUD AND CHEMICAL INC. FARMINGTON, NEW MEXICO
DRILL STEM TESTS:	MR. DELL GUNN HALLIBURTON FARMINGTON, NEW MEXICO
WIRE LINE LOGS:	SCHLUMBERGER WELL SERVICES FARMINGTON, NEW MEXICO
GEOLOGIST:	MR. RIC KOPP TRICENTROL RESOURCES INC. DENVER, COLORADO

TRICENTROL RESOURCES INC.  
#3-33 NANCY FEDERAL  
SEC. 3 T38S-R25E  
SAN JUAN COUNTY, UTAH

SUMMARY OF DAILY ACTIVITY

DATE	ACTIVITY	MIDNITE DEPTH	24 HOUR FOOTAGE
6-09-84	ON LOCATION UNIT #4 RIGGED UP, LOGGING, DRLG	3105	1005
6-10-84	DRLG, SURVEY, DRLG, STUCK, TOH	4110	652
6-11-84	TIH, DRLG, TOH, BIT #5, TIH	4762	289
6-12-84	TIH, DRLG	5051	357
6-13-84	DRLG, TOH DST #1, TIH	5408	118
6-14-84	TIH, DRLG, TOH DST #2	5526	33
6-15-84	DRLG, CIRC "E" LOGS AT T.D.	5569	288
6-16-84	LOGGING, UNIT #4 RIGGED DOWN, LEFT LOCATION	5857	--

TRICENTROL RESOURCES INC.  
 #3-33 NANCY FEDERAL  
 SEC. 3 T38S-R25E  
 SAN JUAN COUNTY, UTAH

BIT RECORD

BIT	MAKE	SIZE	TYPE	DEPTH OUT	FOOTAGE USED	HOURS
1	SFC	17 $\frac{1}{4}$ "	S-3	54'	54	1 $\frac{3}{4}$
2	STC	12 $\frac{1}{4}$ "	F-3	1580'	1526	25 $\frac{3}{4}$
3	STC	7 7/8"	F-27	4762'	3182	65 $\frac{1}{2}$
4	HIC	7 7/8"	J-33	5051'	289	15 $\frac{3}{4}$
5	STC	7 7/8"	F-3	5526'	475	15 $\frac{3}{4}$
6	RR#5 STC	7 7/8"	F-3	5556'	30	1 $\frac{1}{4}$
7	HIC	7 7/8"	J-33	5857'	301	

TRICENTROL RESOURCES INC.  
#3-33 NANCY FEDERAL  
SEC. 3 T38S-R25E  
SAN JUAN COUNTY, UTAH

DEVIATION SHEET FOR WELL. . . .

DEPTH	DEVIATION (DEV)
193'	$\frac{3}{4}^{\circ}$
499'	$\frac{1}{4}^{\circ}$
1049'	$\frac{1}{2}^{\circ}$
1506'	1 $^{\circ}$
2594'	1 $^{\circ}$
3123'	$\frac{3}{4}^{\circ}$
3676'	1 $^{\circ}$
4168'	1 $\frac{1}{4}^{\circ}$
4692'	1 $^{\circ}$
5051'	1 $\frac{1}{4}^{\circ}$
5526'	$\frac{1}{2}^{\circ}$
5841'	$\frac{1}{2}^{\circ}$

Intermountain GEO TECH  
DST & SHOW SHEET

SHOW # 1 INTERVAL 5511

TO 5519

DATE 6-13-84

COMPANY: TRICENTROL RESOURCES INC.

WELL: #3-33 NANCY FEDERAL

FIELD: NANCY CANYON

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3 min./ft.	1 min./ft.	2½ min./ft.
TOTAL GAS UNITS	4	335	40
%METHANE	.09	7.04	.74
%ETHANE	.017	1.6	.16
%PROPANE	tr	.92	.12
%BUTANE (ISO)		.19	tr
%BUTANE (NORM)		.10	tr
%PENTANES		tr	

SAMPLE LITHOLOGY: DOL-GY-GY BRN, BF, VE-FXL, SLTY-ARG IP, RSLANHY'C, SL FOS, SmSH  
INCLU G INTERXL Ø FRM

SAMPLE FLUO-CUT: G YEL GOLD FLUO, G STING CUT, F STN

DST # 1 INTERVAL 5490 TO 5526 DATE 6-13-84

	TIME Min.	PRESSURE (psi) Top Chart	Bottom Chart
INITIAL HYDROSTATIC		2889	2919
INITIAL OPEN	15	27-27	54-54
INITIAL SHUT-IN	30	267	267
SECOND OPEN	60	27-27	54-54
SECOND SHUT-IN	120	1933	1944
FINAL HYDROSTATIC		2889	2905

BHT (°F): 130° F.

1ST FLOW: Weak blow 2 oz. built to 2½ cz in 15 min.

2NE FLOW: 4 oz strong blow built to 6 oz. in 60 min.

REMARKS

DRILL PIPE RECOVERY: 30 ft. gassy drilling mud

SAMPLE CHAMBER REC: 20 PSI 0.12 ft<sup>3</sup> gas, 900 cc gassy drilling mud

	WT ppg	R/W	NITRATES ppm	CHLORIDES ppm	CHROMATES ppm
Drill Pipe: Top: /	/	at . . . °F/	/	/	/
Middle: /	/	at . . . °F/	/	/	/
smplres Bottom: /	1.16	at . . 79. °F/	/	2848	/
SAMPLE CHMR: /	1.47	at . . 76. °F/	/	2363	/
PIT MUD: /	1.36	at . . 89. °F/	/	2121	/

(GAUGED FLOW: )

GEO-TECHNOLOGIST: Dave Meade

Intermountain GEO TECH  
DST & SHOW SHEET

SHOW # 2 INTERVAL 5544 TO 5550 DATE 6-14-84  
 COMPANY: TRICENTROL RESOURCES INC.  
 WELL: #3-33 NANCY FEDERAL  
 FIELD: NANCY CANYON

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3½ min./ft.	1 min./ft.	2½ min./ft.
TOTAL GAS UNITS	7	15	10
%METHANE	.12	.28	.22
%ETHANE	.03	.07	.05
%PROPANE	tr	.05	tr
%BUTANE (ISO)		tr	tr
%BUTANE (NORM)		tr	tr
%PENTANES			

SAMPLE LITHOLOGY: DOL-LT GY, GY BRN, CRP-VEXL, GRAN IP, SLTY, LMY, ARG, ANHY'C R, TR STN

SAMPLE FLUO-CUT: R-TR FLUO - YEL GOLD, GOOD, STRMG CUT

DST #	2	INTERVAL	5530	TO	5556	DATE	6-14-84
		TIME			PRESSURE (psi)		
		Min.		Top Chart		Bottom Chart	
INITIAL HYDROSTATIC				2968		2985	
INITIAL OPEN		15		27-40		48-67	
INITIAL SHUT-IN		30		1814		1797	
SECOND OPEN		60		53-107		75-107	
SECOND SHUT-IN		120		2238		2264	
FINAL HYDROSTATIC				2955		2972	

BHT (°F): 130° F.

1ST FLOW: Open Tool w/wk blw w/1 oz. pres. incr to strong blw to btm of bkt in 2 min.

2NE FLOW: w/6 oz. pres built to 11 oz. shut in NGTS

Open tool w/wk blw to btm of bkt w/3 oz. pres built to 16½ oz in 60 min.

REMARKS shut in NGTS

DRILL PIPE RECOVERY: 180' Fluid vs1 G & Mud cut Wtr 90' mud 90' vs1 Gas & Mud Cut Saltwater

SAMPLE CHAMBER REC: 65 psi 2200 cc Fluid O & M & Saltwtr vs1 ocnc saltwtr

	WT	R/W	NITRATES	CHLORIDES	CHROMATES
	ppm		ppm	ppm	ppm
Drill Pipe: Top: /	/.90 at .82 °F/		/	3575	/
Middle: /	/ at . . . °F/		/		/
Bottom: /	/.44 at .81 °F/		/	7393	/
SAMPLE CHMR: /	/.30 at .80 °F/		/	11515	/
PIT MUD: /	/.16 at .84 °F/		/	2727	/

(GAUGED FLOW: )

GEO-TECHNOLOGIST: Dave Meade



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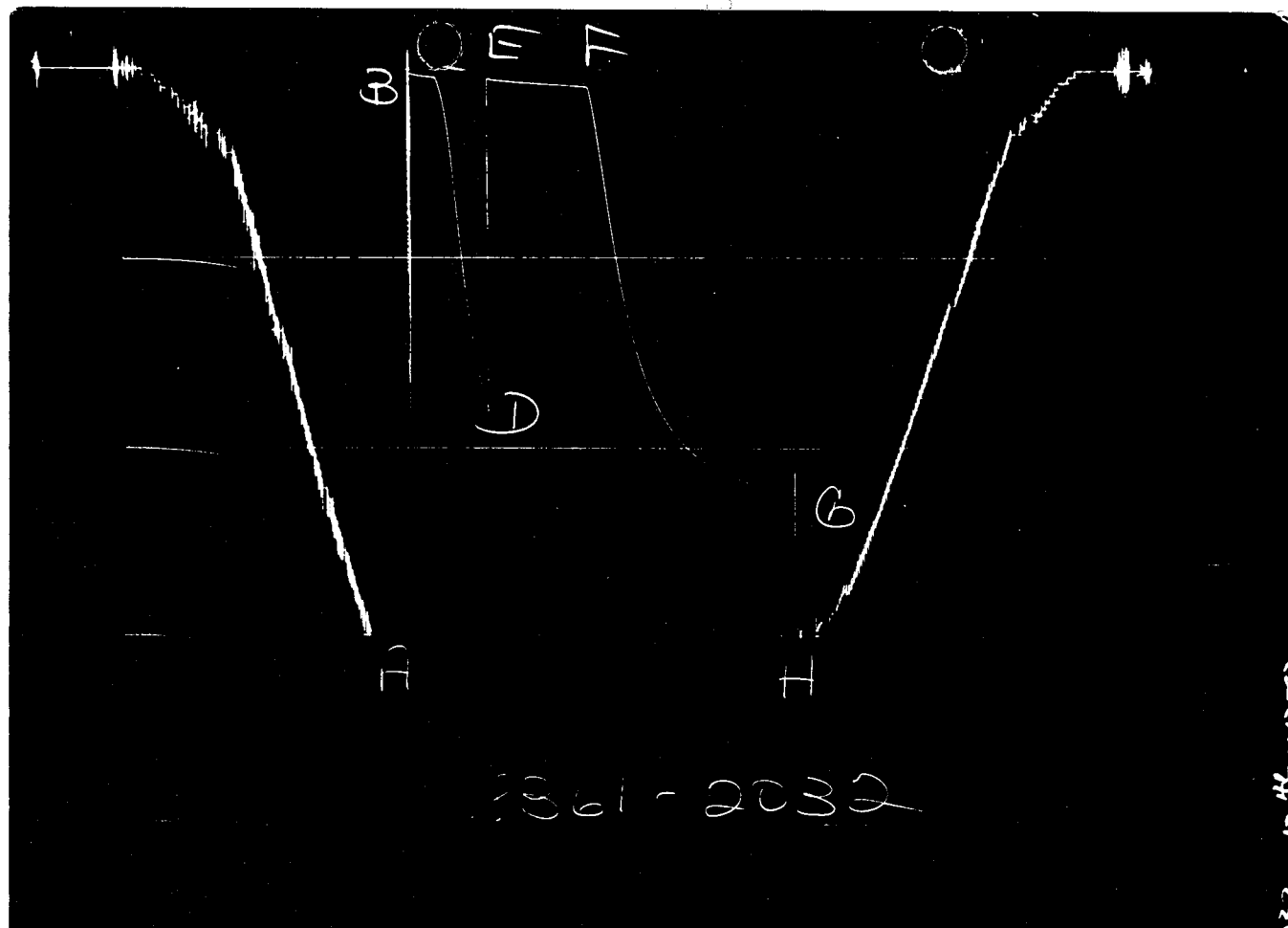
TICKET NO. 71836100

19-JUN-84

FARMINGTON

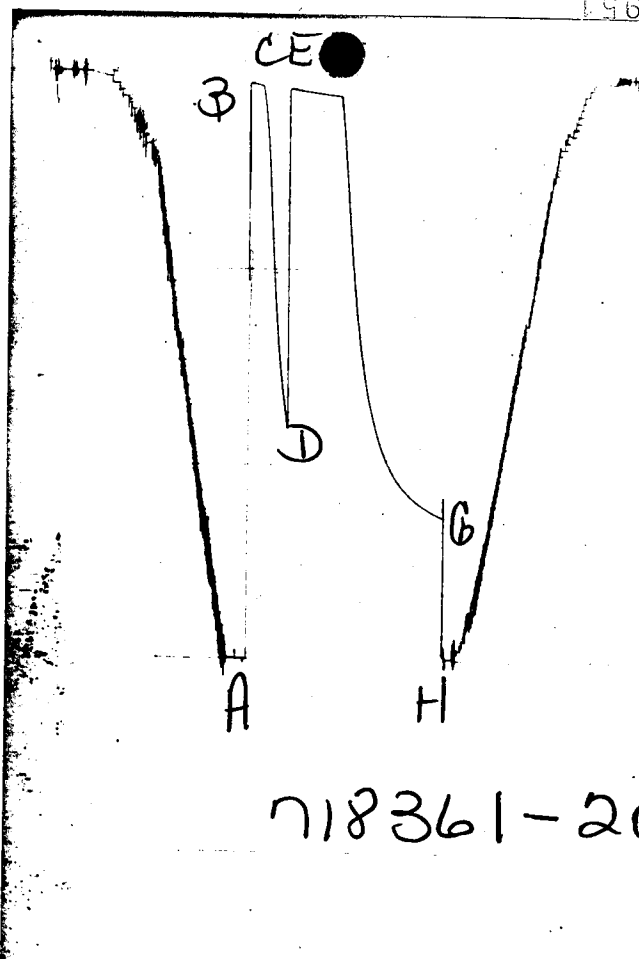
# FORMATION TESTING SERVICE REPORT

LEGAL LOCATION SEC. - TWP. - RANG.	3 - 38 SOUTH - 25 EAST	FIELD AREA	NANCY	COUNTY	SAN JUAN	STATE	UTAH	PW
LEASE NAME	3-33	WELL NO.	2	TEST NO.	5530. - 5556.	TESTED INTERVAL	TRICENTROL RESOURCES, INCORPORATED	LEASE OWNER/COMPANY NAME



GAUGE NO: 2032 DEPTH: 5508.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2968	2969.2			
B	INITIAL FIRST FLOW	27	22.8			
C	FINAL FIRST FLOW	40	42.8	16.0	15.2	F
C	INITIAL FIRST CLOSED-IN	40	42.8			
D	FINAL FIRST CLOSED-IN	1814	1798.8	30.0	31.1	C
E	INITIAL SECOND FLOW	53	53.9			
F	FINAL SECOND FLOW	107	95.9	60.0	59.0	F
F	INITIAL SECOND CLOSED-IN	107	95.9			
G	FINAL SECOND CLOSED-IN	2238	2242.2	120.0	120.6	C
H	FINAL HYDROSTATIC	2955	2963.4			



GAUGE NO: 2033 DEPTH: 5553.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2985	2985.7			
D	INITIAL FIRST FLOW	48	50.9			
C	FINAL FIRST FLOW	67	59.1	16.0	15.2	F
C	INITIAL FIRST CLOSED-IN	67	59.1			
D	FINAL FIRST CLOSED-IN	1797	1801.5	30.0	31.1	C
E	INITIAL SECOND FLOW	75	76.9			
F	FINAL SECOND FLOW	107	110.3	60.0	59.0	F
F	INITIAL SECOND CLOSED-IN	107	110.3			
G	FINAL SECOND CLOSED-IN	2264	2254.4	120.0	120.6	C
H	FINAL HYDROSTATIC	2972	2980.2			

## EQUIPMENT &amp; HOLE DATA

FORMATION TESTED: LOWER UPPER ISMAY  
 NET PAY (ft): 6.0  
 GROSS TESTED FOOTAGE: 26.0  
 ALL DEPTHS MEASURED FROM: KELLY BUSHING  
 CASING PERFS. (ft): \_\_\_\_\_  
 HOLE OR CASING SIZE (in): 7.875  
 ELEVATION (ft): 5361  
 TOTAL DEPTH (ft): 5556.0  
 PACKER DEPTH(S) (ft): 5524, 5530  
 FINAL SURFACE CHOKE (in): \_\_\_\_\_  
 BOTTOM HOLE CHOKE (in): 0.750  
 MUD WEIGHT (lb/gal): 10.20  
 MUD VISCOSITY (sec): 35  
 ESTIMATED HOLE TEMP. (°F): 130  
 ACTUAL HOLE TEMP. (°F): 130 @ 5552.0 ft

TICKET NUMBER: 71836100DATE: 6-14-84 TEST NO: 2TYPE DST: OPEN HOLEHALLIBURTON CAMP:  
FARMINGTONTESTER: D. GUNN

WITNESS: \_\_\_\_\_

DRILLING CONTRACTOR:  
COLEMAN #3FLUID PROPERTIES FOR  
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
MUD PIT	<u>1.160 @ 84 °F</u>	<u>2727</u> ppm
TOP RECOVERY	<u>0.900 @ 82 °F</u>	<u>3575</u> ppm
BOTTOM RECOVERY	<u>0.440 @ 81 °F</u>	<u>7393</u> ppm
SAMPLER	<u>0.300 @ 80 °F</u>	<u>11515</u> ppm
_____	<u>_____ @ _____ °F</u>	<u>_____</u> ppm
_____	<u>_____ @ _____ °F</u>	<u>_____</u> ppm

## SAMPLER DATA

Pstg AT SURFACE: 65  
 cu.ft. OF GAS: 0.06  
 cc OF OIL: 0  
 cc OF WATER: 2200  
 cc OF MUD: 0  
 TOTAL LIQUID cc: 2200

## HYDROCARBON PROPERTIES

OIL GRAVITY (°API): \_\_\_\_\_ @ \_\_\_\_\_ °F  
 GAS/OIL RATIO (cu.ft. per bbl): \_\_\_\_\_  
 GAS GRAVITY: \_\_\_\_\_

## CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

## RECOVERED:

90 FEET OF MUD  
 90 FEET OF VERY SLIGHT GAS AND MUD CUT WATER

MEASURED FROM  
TESTER VALVE

## REMARKS:

ELEVATION REPORTED IS AT GROUND LEVEL

TYPE & SIZE MEASURING DEVICE: _____					TICKET NO: 71836100
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
6-14-84					
					NOTE: EQUIPMENT WAS LEFT ON
					LOCATION FROM PREVIOUS
					TEST. DRILLED 30' AND
					TESTED AGAIN.
0530					TRIPPED OUT OF HOLE FOR DST #2
1000					PICKED-UP TOOLS
1100					TRIPPED IN HOLE WITH DST #2
1317					ON BOTTOM
1320	1/4" BH	1 OZ.			OPENED TOOL - FAIR BLOW - 3" IN
					BUBBLE BUCKET.
1325	"	6.25 OZ			GOOD BLOW - BOTTOM OF BUCKET
1330	"	9.75 OZ			STRONG BLOW - BOTTOM OF BUCKET
1336	"	11.50 OZ			CLOSED TOOL - NO GAS AT THE
					SURFACE.
1406		3 OZ			REOPENED TOOL - WEAK BLOW - 6"
					IN BUBBLE BUCKET.
1411		8 OZ			STRONG BLOW - BOTTOM OF BUCKET
1416		8.50 OZ.			SAME
1421		9 OZ			SAME
1426		9.75 OZ			SAME
1431		10.50 OZ			SAME
1436		11 OZ			SAME
1441		11.75 OZ			SAME
1446		12.50 OZ			SAME
1451		13.50 OZ			SAME
1456		14.50 OZ			SAME
1501		15.75 OZ			SAME
1506		16.25 OZ			CLOSED TOOL - NO GAS AT SURFACE
1706					PULLED OFF BOTTOM - OPENED
					BYPASS.
1725					TRIPPED OUT OF HOLE WITH DST #2
2000					OUT OF HOLE
					LAI D DOWN TOOLS
2200					JOB COMPLETED

TICKET NO: 71836100

CLOCK NO: 14283 HOUR: 12



GAUGE NO: 2032

DEPTH: 5508.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	22.8			
2	2.0	25.5	2.7		
3	4.0	29.3	3.9		
4	6.0	32.8	3.5		
5	8.0	35.5	2.7		
6	10.0	37.5	2.0		
7	12.0	39.6	2.1		
8	14.0	41.5	1.9		
C 9	15.2	42.8	1.3		
FIRST CLOSED-IN					
C 1	0.0	42.8			
2	2.0	92.8	50.0	1.8	0.936
3	4.0	164.9	122.1	3.2	0.681
4	6.0	261.1	218.3	4.3	0.548
5	8.0	379.1	336.3	5.2	0.464
6	10.0	543.5	500.7	6.0	0.402
7	12.0	718.1	675.3	6.7	0.355
8	14.0	893.0	850.2	7.3	0.319
9	16.0	1048.8	1006.0	7.8	0.291
10	18.0	1192.4	1149.6	8.2	0.266
11	20.0	1315.8	1273.0	8.6	0.246
12	22.0	1430.3	1387.5	9.0	0.229
13	24.0	1530.6	1487.8	9.3	0.213
14	26.0	1618.7	1575.9	9.6	0.200
15	28.0	1693.1	1650.3	9.9	0.189
D 16	31.1	1798.8	1756.0	10.2	0.173
SECOND FLOW					
E 1	0.0	53.9			
2	10.0	62.0	8.1		
3	20.0	69.5	7.5		
4	30.0	76.5	7.1		
5	40.0	82.4	5.9		
6	50.0	87.6	5.2		
F 7	59.0	95.9	8.3		
SECOND CLOSED-IN					
F 1	0.0	95.9			
2	8.0	528.6	432.7	7.3	1.010
3	16.0	986.8	890.9	13.1	0.752
4	24.0	1347.6	1251.8	18.1	0.612
5	32.0	1598.5	1502.7	22.4	0.521
6	40.0	1769.3	1673.4	26.0	0.456
7	48.0	1890.6	1794.7	29.2	0.406
8	56.0	1979.0	1883.1	31.9	0.367

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
9	64.0	2042.4	1946.6	34.4	0.335
10	72.0	2091.4	1995.5	36.5	0.308
11	80.0	2130.9	2035.0	38.5	0.285
12	88.0	2160.8	2064.9	40.3	0.266
13	96.0	2186.8	2091.0	41.9	0.249
14	104.0	2207.3	2111.4	43.3	0.234
15	112.0	2226.2	2130.3	44.6	0.221
G 16	120.6	2242.2	2146.3	46.0	0.208

REMARKS:

TICKET NO: 71836100

CLOCK NO: 14128 HOUR: 24

















GAUGE NO: 2033

DEPTH: 5553.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	50.9			
2	2.0	48.8	-2.1		
3	4.0	48.8	0.0		
4	6.0	49.9	1.1		
5	8.0	51.6	1.7		
6	10.0	53.3	1.7		
7	12.0	55.7	2.4		
8	14.0	58.0	2.3		
C 9	15.2	59.1	1.1		
FIRST CLOSED-IN					
C 1	0.0	59.1			
2	2.0	122.3	63.2	1.8	0.934
3	4.0	199.3	140.2	3.2	0.681
4	6.0	305.6	246.5	4.3	0.550
5	8.0	439.3	380.2	5.3	0.461
6	10.0	623.6	564.5	6.0	0.402
7	12.0	796.4	737.3	6.7	0.356
8	14.0	983.3	924.2	7.3	0.319
9	16.0	1135.5	1076.4	7.8	0.290
10	18.0	1267.2	1208.1	8.3	0.265
11	20.0	1386.8	1327.7	8.6	0.245
12	22.0	1486.3	1427.2	9.0	0.228
13	24.0	1572.4	1513.3	9.3	0.213
14	26.0	1647.1	1588.0	9.6	0.200
15	28.0	1714.0	1654.9	9.9	0.188
D 16	31.1	1801.5	1742.4	10.2	0.173
SECOND FLOW					
E 1	0.0	76.9			
2	10.0	79.7	2.8		
3	20.0	87.3	7.6		
4	30.0	93.7	6.4		
5	40.0	100.4	6.7		
6	50.0	105.3	4.9		
F 7	59.0	110.3	4.9		
SECOND CLOSED-IN					
F 1	0.0	110.3			
2	8.0	579.3	469.0	7.2	1.012
3	16.0	1049.7	939.4	13.2	0.752
4	24.0	1386.3	1276.0	18.1	0.612
5	32.0	1621.5	1511.2	22.4	0.521
6	40.0	1780.5	1670.2	26.0	0.456
7	48.0	1900.7	1790.4	29.1	0.406
8	56.0	1987.6	1877.3	31.9	0.366

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
9	64.0	2053.1	1942.8	34.4	0.334
10	72.0	2101.3	1991.0	36.5	0.308
11	80.0	2141.5	2031.2	38.5	0.285
12	88.0	2172.7	2062.4	40.3	0.266
13	96.0	2196.9	2086.6	41.9	0.249
14	104.0	2219.1	2108.8	43.3	0.234
15	112.0	2238.5	2128.2	44.7	0.221
G 16	120.6	2254.4	2144.1	46.0	0.208

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4763.0	
3		DRILL COLLARS.....	6.250	2.250	666.0	
50		IMPACT REVERSING SUB.....	5.750	3.000	1.0	5429.0
3		DRILL COLLARS.....	6.250	2.250	65.0	
5		CROSSOVER.....	5.750	2.500	1.0	
13		DUAL CIP SAMPLER.....	5.750	0.870	7.5	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5506.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	5508.0
15		JAR.....	5.030	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	5524.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	5530.0
20		FLUSH JOINT ANCHOR.....	5.750	3.000	20.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	5553.0
TOTAL DEPTH						5556.0

EQUIPMENT DATA



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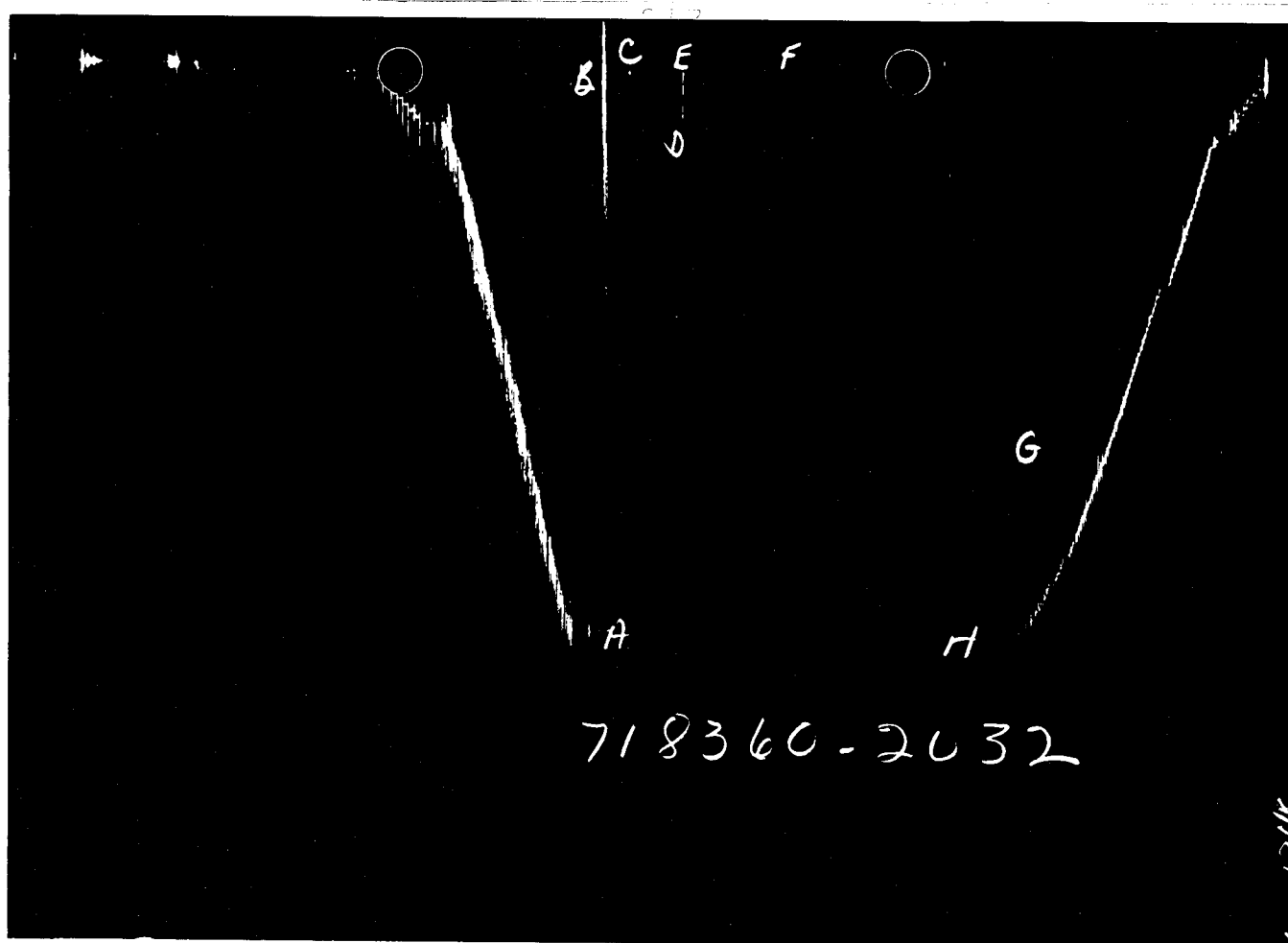
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18-JUN-84

FARMINGTON

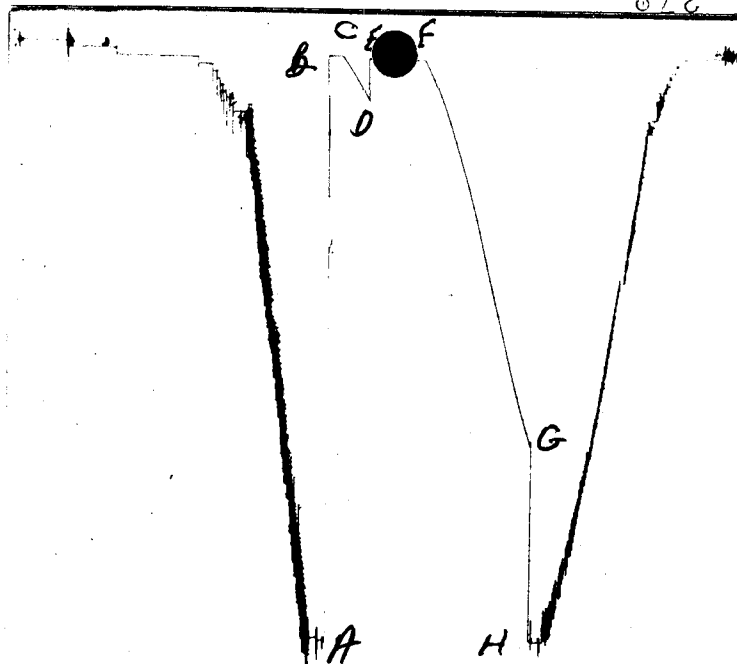
# FORMATION TESTING SERVICE REPORT

LEGAL LOCATION SEC. - TWP. - RANG.	3-38S-25E	FIELD AREA	NANCY	COUNTY	SAN JUAN	STATE	UTAH	DR
LEASE NAME	3-33	WELL NO.	TEST NO.	TESTED INTERVAL	TRICENTROL RESOURCES INCORPORATED			
				5490.1 - 5526.1	LEASE OWNER/COMPANY NAME			



GAUGE NO: 2032 DEPTH: 5469.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2889	2914.9			
B	INITIAL FIRST FLOW	27	20.8	15.0	15.0	F
C	FINAL FIRST FLOW	27	24.8			
C	INITIAL FIRST CLOSED-IN	27	24.8	30.0	30.0	C
D	FINAL FIRST CLOSED-IN	267	252.9			
E	INITIAL SECOND FLOW	27	29.1	62.0	62.0	F
F	FINAL SECOND FLOW	27	36.9			
F	INITIAL SECOND CLOSED-IN	27	36.9	120.0	120.0	C
G	FINAL SECOND CLOSED-IN	1933	1931.2			
H	FINAL HYDROSTATIC	2889	2900.3			



718360.2033

GAUGE NO: 2033 DEPTH: 5523.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2919	2922.5			
B	INITIAL FIRST FLOW	54	53.3			
C	FINAL FIRST FLOW	54	48.0	15.0	15.0	F
C	INITIAL FIRST CLOSED-IN	54	48.0			
D	FINAL FIRST CLOSED-IN	267	264.4	30.0	30.0	C
E	INITIAL SECOND FLOW	54	54.9			
F	FINAL SECOND FLOW	54	59.4	62.0	62.0	F
F	INITIAL SECOND CLOSED-IN	54	59.4			
G	FINAL SECOND CLOSED-IN	1944	1945.9	120.0	120.0	C
H	FINAL HYDROSTATIC	2905	2913.6			

## EQUIPMENT &amp; HOLE DATA

FORMATION TESTED: UPPER ISMAY  
 NET PAY (ft): 8.0  
 GROSS TESTED FOOTAGE: 36.0  
 ALL DEPTHS MEASURED FROM: KELLY BUSHING  
 CASING PERFS. (ft): \_\_\_\_\_  
 HOLE OR CASING SIZE (in): 7.875  
 ELEVATION (ft): 5361  
 TOTAL DEPTH (ft): 5526.0  
 PACKER DEPTH(S) (ft): 5484, 5490  
 FINAL SURFACE CHOKE (in): \_\_\_\_\_  
 BOTTOM HOLE CHOKE (in): 0.750  
 MUD WEIGHT (lb/gal): 10.20  
 MUD VISCOSITY (sec): 45  
 ESTIMATED HOLE TEMP. (°F): 124  
 ACTUAL HOLE TEMP. (°F): 130 @ 5522.0 ft

TICKET NUMBER: 71836000DATE: 6-13-84 TEST NO: 1TYPE DST: OPEN HOLEHALLIBURTON CAMP:  
FARMINGTONTESTER: GUNN

WITNESS: \_\_\_\_\_

DRILLING CONTRACTOR:  
COLEMAN #3FLUID PROPERTIES FOR  
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
MUD PIT	<u>1.360 @ 89 °F</u>	<u>2121</u> ppm
BOTTOM	<u>1.160 @ 79 °F</u>	<u>2848</u> ppm
SAMPLER	<u>1.470 @ 76 °F</u>	<u>2363</u> ppm
	<u>      @      °F</u>	<u>      </u> ppm
	<u>      @      °F</u>	<u>      </u> ppm
	<u>      @      °F</u>	<u>      </u> ppm

## SAMPLER DATA

Pstg AT SURFACE: 20  
 cu.ft. OF GAS: 0.12  
 cc OF OIL: 0  
 cc OF WATER: 0  
 cc OF MUD: 900  
 TOTAL LIQUID cc: 900

## HYDROCARBON PROPERTIES

OIL GRAVITY (°API):        @        °F  
 GAS/OIL RATIO (cu.ft. per bbl):         
 GAS GRAVITY:       

## CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

## RECOVERED:



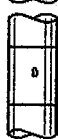











30' OF SLIGHTLY GAS CUT DRILLING MUD

MEASURED FROM  
TESTER VALVE

## REMARKS:

ELEVATION REPORTED IS AT GROUND LEVEL



		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4728.0	
3		DRILL COLLARS.....	6.250	2.250	666.0	
50		IMPACT REVERSING SUB.....	5.750	3.000	1.0	5392.5
3		DRILL COLLARS.....	6.250	2.250	65.0	
5		CROSSOVER.....	5.750	2.500	1.0	
13		DUAL CIP SAMPLER.....	5.750	0.870	7.5	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5467.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	5469.0
15		JAR.....	5.030	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	5484.0
70		OPEN HOLE PACKER.....	6.750	1.530	6.0	5490.0
20		FLUSH JOINT ANCHOR.....	5.750	3.000	30.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	5523.0
TOTAL DEPTH						5526.0

EQUIPMENT DATA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR  
Wintershall Oil and Gas Corporation
3. ADDRESS OF OPERATOR  
5675 DTC Blvd., Ste. 200, Englewood, CO 80111
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2300' FSL & 1760' FEL  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

SUBSEQUENT REPORT OF:

- ☐  
☐  
☐  
☐  
☐  
☐  
☐  
☒

(other) Change of Operator

5. LEASE  
U-40053
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
None
7. UNIT AGREEMENT NAME  
Little Nancy Unit
8. FARM OR LEASE NAME  
Nancy Federal
9. WELL NO.  
#3-33
10. FIELD OR WILDCAT NAME  
Nancy
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 3 ; T38S-R25E
12. COUNTY OR PARISH  
San Juan
13. STATE  
Utah
14. API NO.  
43-037-30897
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5361' GR; 5375' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Wintershall Oil and Gas Corporation purchased Tricentrol Resources Inc. effective June 22, 1984 and has assumed operations of this property.

RECEIVED

JUN 29 1984

DIVISION OF OIL  
GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Allen L. Howell TITLE Operations Manager DATE 6/27/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc: Utah OGMD ✓

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ Dry Hole

2. NAME OF OPERATOR  
Wintershall Oil and Gas Corporation

3. ADDRESS OF OPERATOR 80111  
5675 DTC Blvd., Ste 200, Englewood, CO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2300' FSL & 1760' FEL (NWSE)  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE  
U-40053

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
None

7. UNIT AGREEMENT NAME  
Little Nancy Unit

8. FARM OR LEASE NAME  
Nancy Federal

9. WELL NO.  
#3-33

10. FIELD OR WILDCAT NAME  
Nancy

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 3, T38S-R25E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.  
43-037-30897

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5361'GR; 5375'KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well P&A, per verbal approval from BLM. Set cement plugs as follows:

Plug #1 5380-5857' with 137 sxs Class B  
Plug #2 4233-4433' with 57 sxs Class B  
Plug #3 1471-1671' with 58 sxs Class B  
Plug #4 surface - 30' with 10 sxs Class B

Rig released on June 18, 1984.

RECEIVED

JUN 29 1984

DIVISION OF OIL  
GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Ronald P. Howell TITLE Operations Mgr. DATE 6/27/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc: Utah OGMD



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other  
instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

10

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL ☐ WELL ☐ GAS ☐ WELL ☐ DRY ☒ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW ☐ WELL ☐ WORK ☐ OVER ☐ DEEP- ☐ EN ☐ PLUG ☐ BACK ☐ DIFF. ☐ RESVR. ☐ Other P & A

2. NAME OF OPERATOR  
Wintershall Oil and Gas Corporation

3. ADDRESS OF OPERATOR  
5675 DTC Blvd., Ste. 200, Englewood, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)  
At surface 2300' FSL & 1760' FEL (NWSE)

At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. 43-037-30897 DATE ISSUED DIVISION OF OIL GAS & MINING

JUN 29 1984

5. LEASE DESIGNATION AND SERIAL NO.

U-40053

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

None

7. UNIT AGREEMENT NAME

Little Nancy Unit

8. FARM OR LEASE NAME

Nancy Federal

9. WELL NO.

#3-33

10. FIELD AND POOL, OR WILDCAT

Nancy

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 3, T38S-R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED 6/5/84 16. DATE T.D. REACHED 6/16/84 17. DATE COMPL. (Report to State) 6/18/84 P&A 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 5361' GR; 5375' KB 19. ELEV. CASINGHEAD ---

20. TOTAL DEPTH, MD & TVD 5857' KB 21. PLUG, BACK T.D., MD & TVD --- 22. IF MULTIPLE COMPL., HOW MANY\* None 23. INTERVALS DRILLED BY --- ROTARY TOOLS Yes CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* None 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/SFL; Density BCS Sample 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	54'	17-1/2"	50 sxs Class B	None
8-5/8"	24#	1571.35'	12-1/4"	580 sxs	None

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		None			None	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
None		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		None	

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
						P & A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
DST #1 & 2; Halliburton plugging record.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED David P. Howell TITLE Operations Manager DATE 6/27/84

\*(See Instructions and Spaces for Additional Data on Reverse Side)

CC: Utah OGMS

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

## 38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Chinle	1550'		
DeChelly	2406'		
Cutler	2480'		
Honaker Trail	4333'		
U. Ismay	5480'		
I. Ismay	5650'		
U. Desert Crk	5714'		
I. Desert Crk	5786'		
Chimney Rock	5804'		
Akah	5825'		
Paradox Salt	5852'		
TD	5857'		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

REC'D MDO JUN 29 1984  
Form Approved  
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other ☒ Dry Hole  
2. NAME OF OPERATOR  
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3. ADDRESS OF OPERATOR 80111  
5675 DTC Blvd., Ste 200, Englewood, CO  
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AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same  
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☒  
(other)

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

RECEIVED

JUL 12 1984

DIVISION OF OIL  
GAS & MINING

NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

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Plug #3 1471-1671' with 58 sxs Class B  
Plug #4 surface - 30' with 10 sxs Class B

Rig released on June 18, 1984.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED David P. Howell TITLE Operations Mgr. DATE 6/27/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

OK: Utah O&M